

FIG.1

100720 2420660

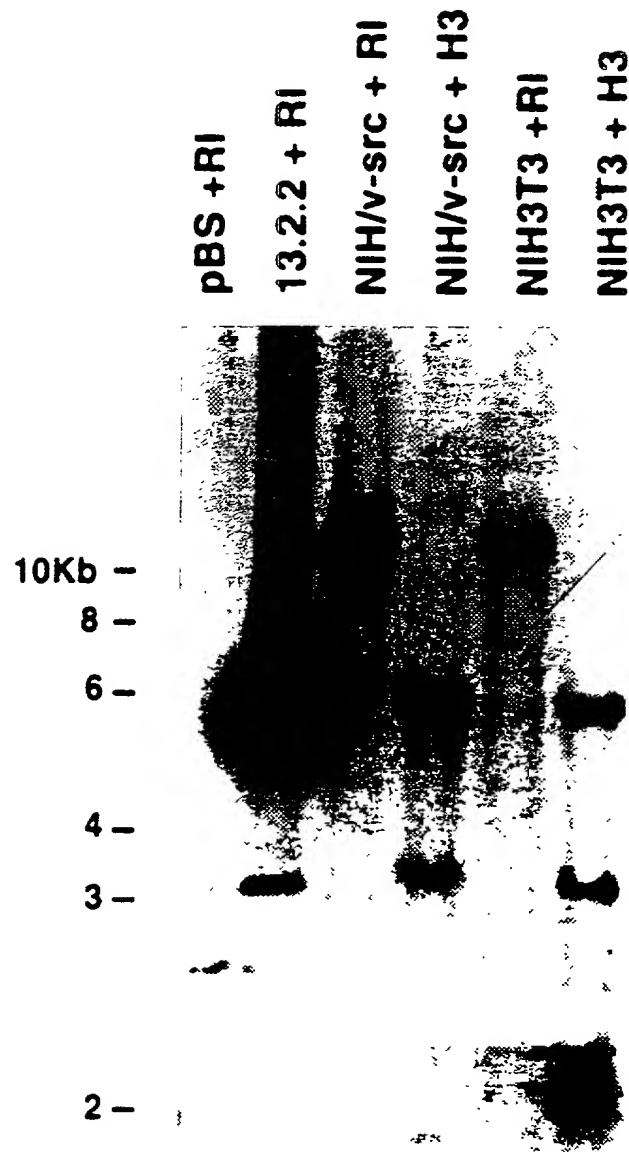


FIG.2A

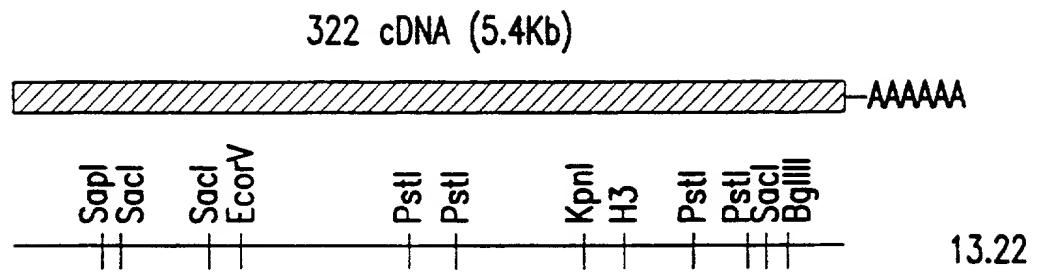


FIG.2B

181 ggaaaagacagagccagcctcgaggagcagagccggcagaaagacacagaccagccag 60
 3 gtgtgcagcagactacgagaagglggagctgccttggagaccaggtlgtgacctgga 120
 180 ggcacgtcagagaggaagtgctcctttggcaacggaagtggttgatgagaagatgga 180
 2 M E
 240 agcccaccaagaagtgtgtcagaggtccacgtgagcaccglggagaagacagaggagga 240
 3 A H Q E V V A E V E V S T V E K T E E E 22
 241 qcaggaggaggaggaggtgaagggggcglgglggtagaaggaacaggaatcctt 300
 23 Q G G G E A F G G V V V E G I G E S L 42
 301 qccccctgagaaactggctgagccccaggagggtccccccaggaaagctgagcctgctlgagga 360
 43 P P E K I A E P Q F V P Q E A E P A E E 62
 361 gctgatgaagagcagagagatgtgtctctgtgaggagaccacactcaactgacagacct 420
 63 I M K S R E M C V E G G D H T Q L T D L 82
 421 aagtcctgaagagaagacgctgccccaaacacccagaaggtgtgtcagtgaggtggagat 480
 83 S P E E K T L P K H P E G I V S E V E M 102
 481 gctgtcctctcaggaaagaatcaaggtacagggaagtccttgaagaaactcttcagtag 540
 103 L S S Q E R I K V Q G S P L K K L F S S 122
 541 ctcaggcttaaagaagctgtctgggaagaagcagaaggggaaacgaggaggtgggggaga 600
 123 S G L K K L S G K K Q K G K R G G G D 142
 601 cgaagagcctggagaataccaacacattcacaccgaatccccagagagtgctgatgagca 660
 143 E E P G E Y Q H I H T E S P E S A D E Q 162

FIG.3A

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661 gaaggagagagctctgcgltcggtcccccaggagagcctgaggagaccacgtgtctggagaa 720
163 K G E S S A S S P E E P E E I I C L E K 182

721 agggccgctggaagcaccagatggggaagctgaggaaggaactacttctgtggagagaa 780
183 G P L E A P R M G K L R K E L L R G E [K] 202

781 gaagaggaaggatcactccctgggcaccccttcaaaaagatggtgacacccaagaaacggt 840
203 [K] R [K] D H S L G I L Q K D G D I Q E T V 222

841 ccgaagacctlctgaagtgacaaggaggaagagctggagaaggtcaagagcgccacctt 900
223 R R P S F S D K F E L L F K V K S A I L 242

901 gtcctccactgatagcagltgcagaaatgcaagatgaagtcaaaactgttgggtgagga 960
243 S S T D S T V S E M Q D E V K I V G E E 262

961 acaaaagccagaggaaacaaagcgtagggtggatacttcagltgtcttgggaagcactgat 1020
263 Q K P E F P K R R V D T S V S W E A L I 282

1021 ttgtgtcggatcalccaagaagagagcaaggaaggcctcttccagatataagagggcc 1080
283 C V G S S K [K] R A [R] K A S S S D I R G P 302

1081 aaggacactgggaggggacagtcacagagcagagaggccagcaagaagacaagaagccg 1140
303 R T L G G G Q S Q S R G G Q Q R Q R S R 322

1141 aacagacgtgttctgtccagcaccagagcaggaccacgaaggaaggaagttcctcacc 1200
323 T D A V P A S T Q E Q D Q A Q G S S S P 342

1201 cgagccagcgggaagcccttccgaaggggaaggtgtctccacttgggagtcatttataaag 1260
343 E P A G S P S E G E G V S T W E S F K R 362

FIG.3B

1261 attaglcactccaagaaaaaatccaagtcaaaactggaagagaaagaagccggaaggac 1320
 363 L V T P R K K S K S K L E E K E A G R T 382

 1321 tctagttgtaggagcaggttgccactgagatcgaaaccgtgtagagaagaatcttgggtt 1380
 383 L V V G A G C P L R S N R V E K N I G F 402

 1381 tccattaagaaattcaccggaaggcggaagaaaggcagatgggaaggcaagaaca 1440
 403 P I R N S S P D G G R K G Q M G R Q E Q 422

 1441 agccactgtggaagactcaggccagtgagagataaatgaggacgagcctgatgtccagc 1500
 423 A T V E D S G P V E I N E D E P D V P A 442

 1501 agtcgtgcctctgtctgagtatgatgcagtggaagagggaagatggaagcccaaggaa 1560
 443 V V P L S E Y D A V E R F K M E A Q G N 462

 1561 tgcggagctgccagctgctgggctgtgtagtgtccgaggagctcagtaagactctggt 1620
 463 A E L P S C W G C V V S E E L S K T L V 482

 1621 ccacactgtgagtgctgcagtcattgatggaccagggcagtcaccagtgctgaagagcg 1680
 483 H T V S V A V I D G T R A K T S K E E R 502

 1681 gtctccttcgtggatatccgcttcgtaacagaacclcttgaacacacagcgggagaagc 1740
 503 S P S W I S A S V T E P L E H T A G E A 522

 1741 catgccacctgttgaagaggtcacTgaaaaagacatcattgcagaagaactcctgtgct 1800
 523 M P P V E E V T E K D I I A E F T P V L 542

 1801 caccagacgttaccagagggtaaagatgcccatgacgacatggtcaccagtgaaagtgga 1860
 543 T Q T L P E G K D A H D D M V T S E V D 562

FIG.3C

1861 ttccacctcagaagctgtgacagccacagagacctcagaggclclccgtactgaagaagt 1920
563 F T S E A V T A T F T S E A L R T E E V 582

1921 taccgaagcatcggggccgaagagaccacagacatggtglccgcagtttcccagctgac 1980
583 T E A S G A E E T T D M V S A V S Q L T 602

1981 tgacccccagacaccacagaggaagccacccacgttcaggaggtagagggtggtgtgct 2040
603 D S P D T T E E A T P V Q E V E G G V L 622

2041 agatcacagaagaagagagcgcagacgcagcagccatccctccaaagccgtlgcagacaaggt 2100
623 D I E F F R Q T Q A I I Q A V A D K V 642

2101 gaaagaggagtcacaggtgcccgacccagactglgcagagaaacgggtcaaaagcact 2160
643 K E E S Q V P A T Q T V Q R T G S K A L 662

2161 ggagaaggttgaggaggtagaggagactccgaagtgcgttcggttcggagaaagagaagga 2220
663 E K V F F V F E D S E V L A S E K E K D 682

2221 cgttatgccgaaaggaccgtgcaggagctggagctgagcalcttgacacagggtctga 2280
683 V M P K G P V Q E A G A E H L A Q G S F 702

2281 gactggacaggctactccagagagcccttgaagttcctgaagtcacagcagatgtagacca 2340
703 T G Q A T P E S L E V P E V T A D V D H 722

2341 tgtcgccacgtgccaggttatcaagctccagcagctgatggaaacaggccgtggccccctga 2400
723 V A T C Q V I K L Q Q L M E Q A V A P E 742

2401 gtcatccgaaaccttgacagacagtgagacaaatggaagcactcccttagcagatlcaga 2460
743 S S E T L T D S E T N G S T R L A D S D 762

FIG.3D

2461 cactgcagatgggacacagcaagatgaaaccattgacagccaggacagtaaacccactgc 2520
763 T A D G T Q Q D E T I D S Q D S K A I A 782

2521 agctgtcaggcagtcacaggtcacagaagaagagcggtactgctcagaaagaggagcc 2580
783 A V E Q S Q V I E E A A I A Q K E E P 802

2581 ttcgacactacctaataatgtlccagccccaggaaagaacatggggaagaaccaggaaagaga 2640
803 S T L P N N V P A Q E E H G E E P G R D 822

2641 tgttcttgaacctacacagcaagagcttgctgctgcagccgtgcccgtctggcaaaagac 2700
823 V L E P I Q Q E L A A A V P V W Q K I 842

2701 tgaggtgggtcaagaggtgaggtgactgggtlggatggagaaaaagtcaaaagaagaaca 2760
843 L V G Q F G E V D W I D G E K V K E E Q 862

2761 ggaggtgtlgtacacictgagaccacagtcacaaaggctgctgatgtgacatatgacag 2820
863 F V F V H S G P N S Q K A A D V T Y D S 882

2821 tgaagtgalggagtgccgggtgtcaggaaaaaggagagtactgaagtgcagagtccttag 2880
883 F V M G V A G C Q E K E S T E V Q S L S 902

2882 cctggaggaggagagatggaaactgacgttgaaaggagaaaaaggagagacaaagccaga 2940
903 L F E G E M E T D V E K E K R E T K P E 922

2941 gcaagtgagtgaaagaaggtgagcaggaaacacagccgtccctgagcatgaaaggaaactacgg 3000
923 Q V S E E G E Q F T A A P E H E R N Y G 942

3001 gaagccagtlcctlgacacttgacatgccagctcagagagggggaaggcactgggaagcct 3060
943 K P V L T L D M P S S E R G K A I G S L 962

FIG.3E

Full Sequence

3061 tggaggaagcccttctctccagaccaagaacagcaggttgcataagaggttcaagttca 3120
963 G G S P S I P D Q D K A G C I E V Q V Q 982

3121 aagcctggacacaacagtcactcaaacagcagaagctgtgaaaaaggtcatagaaacggt 3180
983 S I D I I T V T Q T A E A V F K V I E T V 1002

3181 tgtgatttcagagacaggtgaaagtcagagtgltgttagtgcacacttattaccagctga 3240
1003 V I S E T G E S P E C V G A H L I P A E 1002

3241 aaagtccctctgcaacgggtggccactggactcttcagcatgcagaggacacgggtacccct 3300
1023 K S S A T G G H W T L Q H A F D T V P L 1042

3301 gggccctgagttcagcagaatccatcccaatcalagtaactcctgctcctgaaagcac 3360
1043 G P F S Q A I S I P I I V T P A P E S T 1062

3361 ctatcatcctgacctacaaggagaaataagcgcacatccagagagagcagatcagaggaaga 3420
1063 I H P D L Q G E I S A S Q R E R S E E E 1082

3421 ggacaagccagatgctggtcctgatgctgacggcaaggagagtagacagaatcgacaaagt 3480
1083 D K P D A G P D A D G K E S T A I D K V 1102

3481 cctcaaggctgaacctgagatcctggaaacttgagagtaagagcaacaagattgtgctgaa 3540
1103 L K A E P E I L E L E S K S N K I V L N 1122

3541 cglcatlcagacagccgttgaccagtlcgcacgtacagaaaacagccccgaaactcatgc 3600
1123 V I Q I A V D Q F A R T E I A P E T H A 1142

3601 ttatgattcacagacccaggttcctgcaatgcgcttgacagcagggagcccaacagatg 3660
1143 Y D S Q T Q V P A M R L D S R E P N R C 1162

→Zn-finger→

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FIG.3F

FIG. 3G

3661 ctggacaaaaatgaaagtgtccaagatgaaacacccagtgccgcagccagagaggactt 3720
 1163 W I K M K V A K M K H P V P Q P R E D L 1182

 3721 gcaagtcctgaccgttctggaggcatggctcagtcggaatatgctgccgcgtgtgcagt 3780
 1183 Q V L T V L E A W L S S E M L A A L A V 1202

 3781 lgaaagcgccggtgtcaaaagtaagcattgagaagctgcctcctcaacccaagatcaaaa 3840
 1203 E S A G V K V S I E K L P P Q P K D Q K 1222

 3841 ggagcatgctgtgagccctcagctccaaaagcttagccaggcagagcagtgctcgg 3900
 1223 F H A A D G P Q L Q S I A Q A E A V S G 1242

 3901 aaacctaaccaagaalccccagacaccacgaacgaacaaagtaaccgagagcagtgccc 3960
 1243 N I I K F S P D I N G P K L I F E R C P 1262

 3961 ccaaaagttaggtccaggaagaagaaatgtctaccaagtcagtcacaagagaacaaggcc 4020
 1263 Q K I R S R K K K C L P S Q S K R T R P 1282

 4021 caggcagaagaggacctgcaggagccaaaggagacctggcagaatcctaagatgttagt 4080
 1283 R Q K R T C R S Q R E T W Q N P K M L V 1302

 4081 tgctcattgtacatctgtgaagaccagaatgtgaaaacaagtcacagaacaagatgctgct 4140
 1303 A H C T S V R P E C E N K S Q N K M L L 1322

 4141 gttggaccltggaccaagatttcagagcccatgagatccagagagcaggccgctccaat 4200
 1323 L G P W T K I S E P M R S R E Q G R P M 1342

 4201 gatttccaccagtagagcaccgccgacaattctgaggcttcctcgcggagctagagccagc 4260
 1343 I S T Q * 1346

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FIG.3G

4261 taacattlccctcggtlcaagactgcctllgattgccccttgatgccgtccgtgtatttc 4320
4321 ggatttaaggltcctgcgtlctcaacctggaaccaattctgccataacctagtccacttct 4380
4381 caaactggagcalcctcctttagtatttatatgtatglttlatgtagtcctcctcctgt 4440
4441 acctatlgatalatttttctaacgtttaagcacatgctllttglatlatgcaatatata 4500
4501 acgggtgtgcagccatagcgacgclttgaaaagctccaagcclcaactgtaacctgcagc 4560
4561 aaacagalaacattcctgggaagaagagacaagclctttttaagtttactlgatgcttag 4620
4621 atctgtgggtcttagtccctctgaaagtgtgttttccctatgcacagcgagctcagaaa 4680
4681 taaaaaccccatlltgaacatccaggatgccccaatataccatgatttttccccct 4720
4721 ttttgcataatcagtcacaggttggaaagaagctcctctgltcagatlaagccctgct 4780
4781 cttaatgatatggacaaalgagtggtgcctaaggccatgagatglttccaaagcagaagg 4840
4841 aatctgttgtagcttlltllgatlgtactctctatgctggaccgaalccatgcagat 4900
4901 cgaagtgaagtcctgltctllacagatggtatllttgatagatactggagtttctgtgtt 4960
4961 atatctgtgcacctctlltaagaacaatgttgcatatatgtlccctllggataaatltgat 5020
5021 ttgacaactgattlaaalaacacatatttgactac(A).

FIG.3H

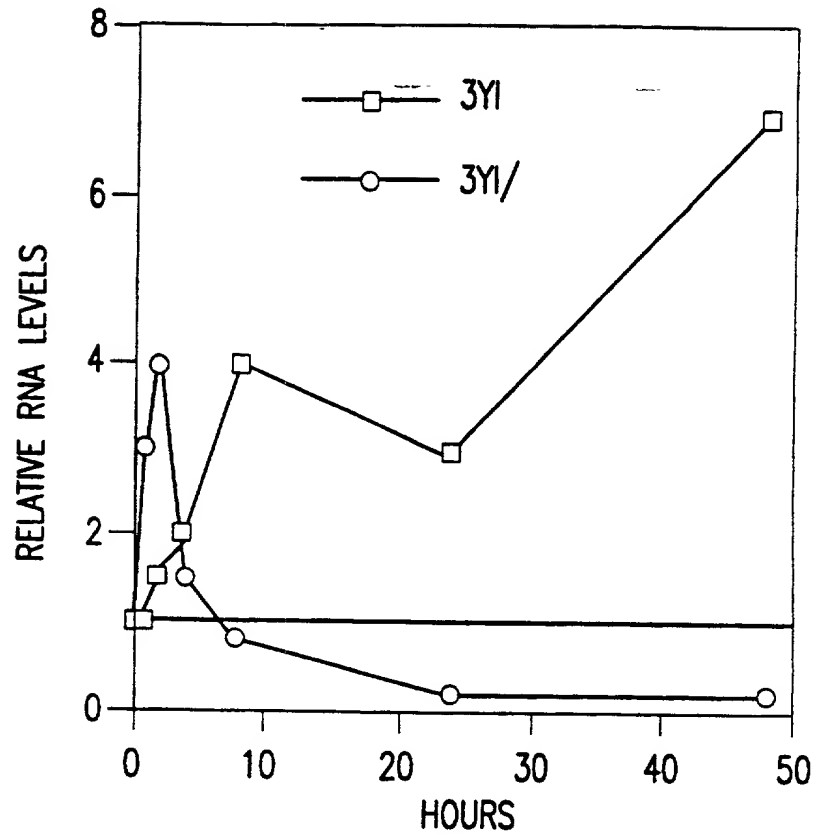


FIG.4A

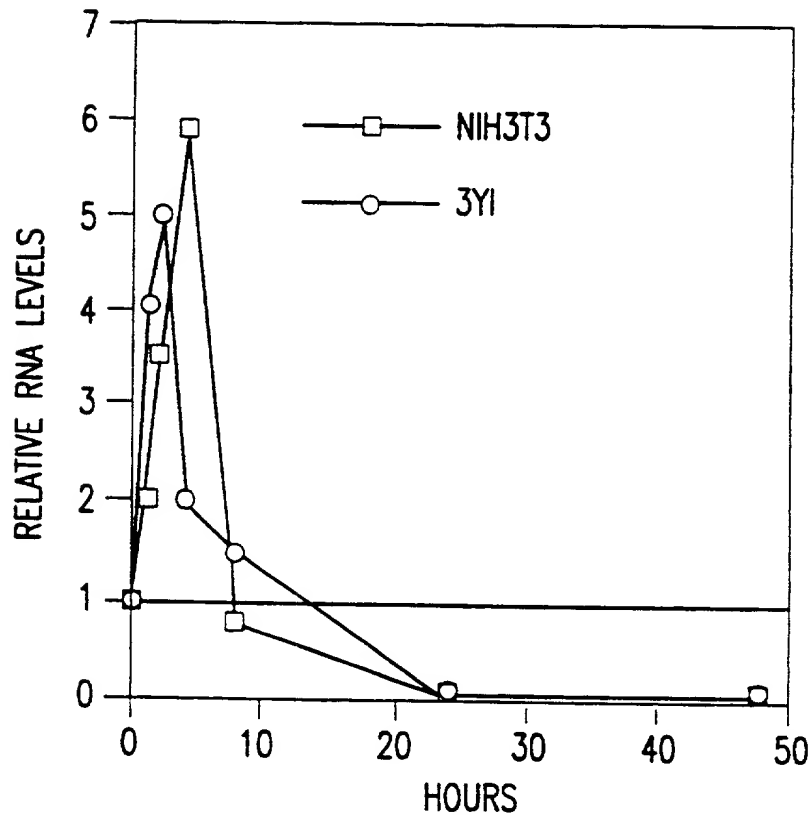


FIG.4B

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rat-6/mos
rat-6/src
rat-6/myc
rat-6/neu
rat-6/ras
rat-6/raf-1
rat-6

FIG.5

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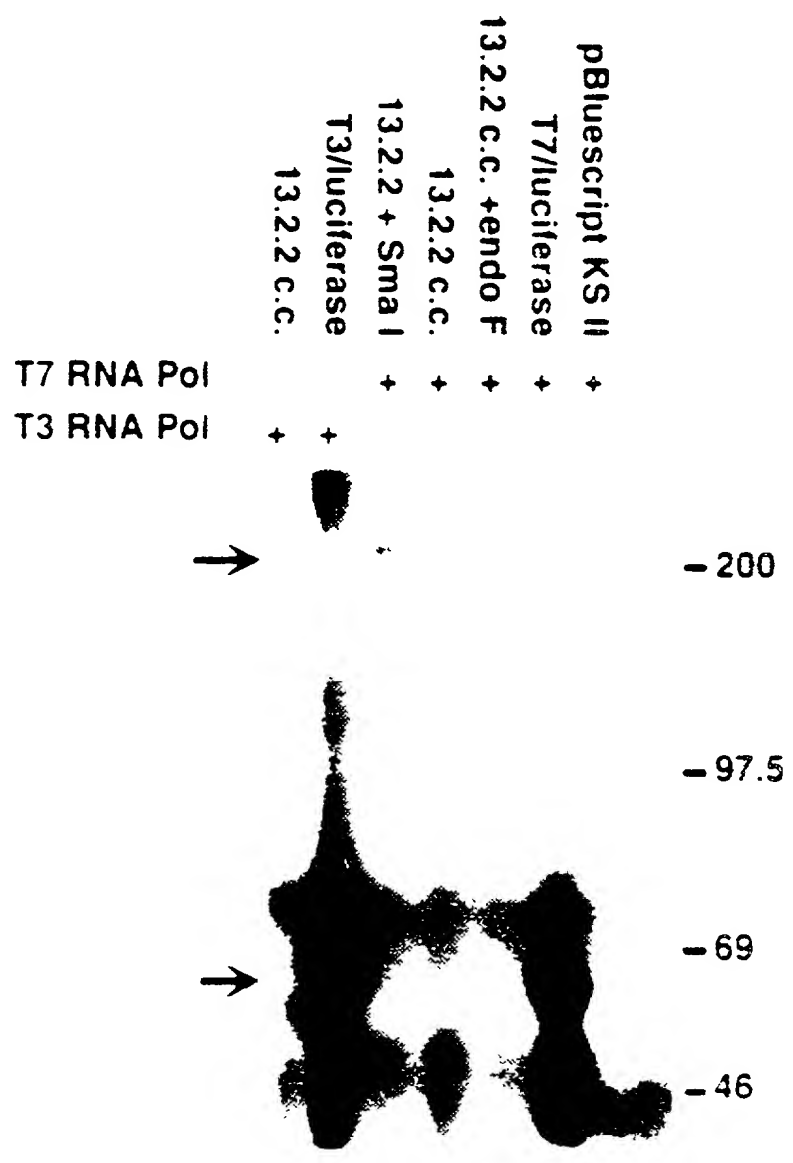


FIG.6

09993433-074004

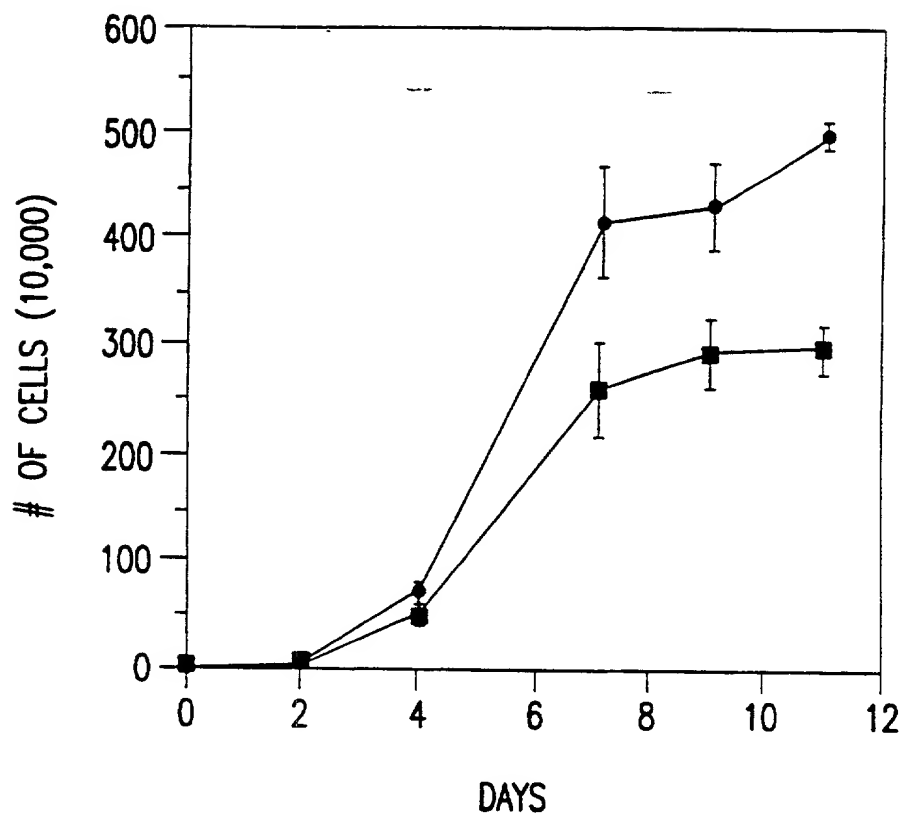


FIG.7A

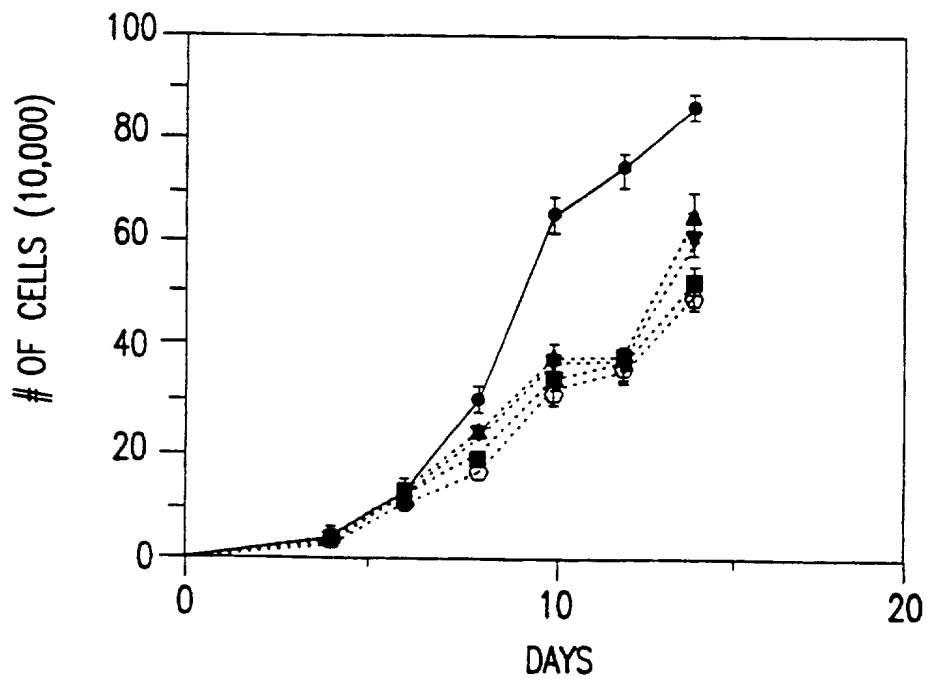


FIG.7B

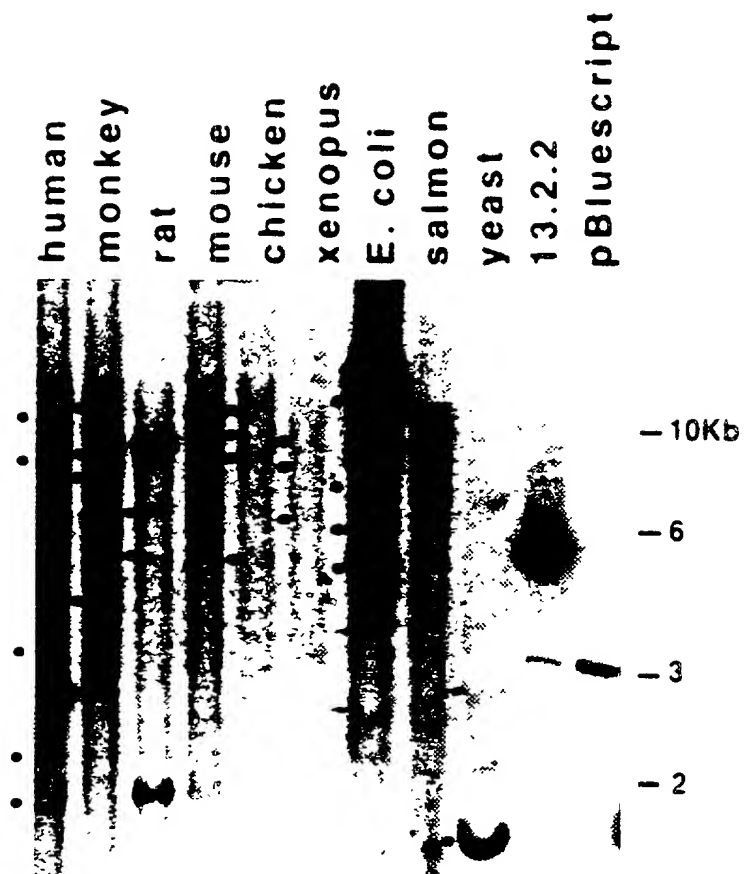


FIG.8

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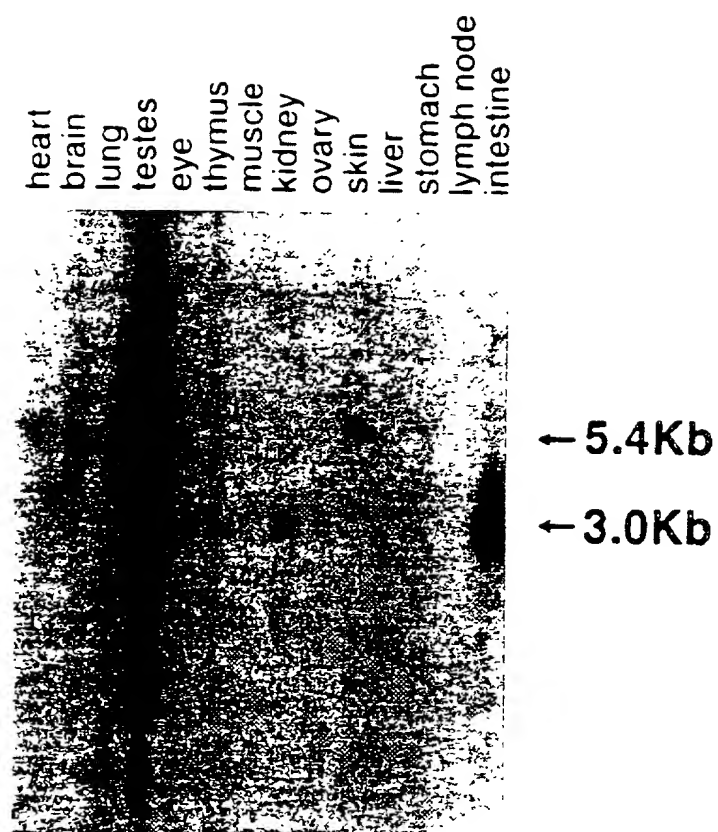


FIG.9

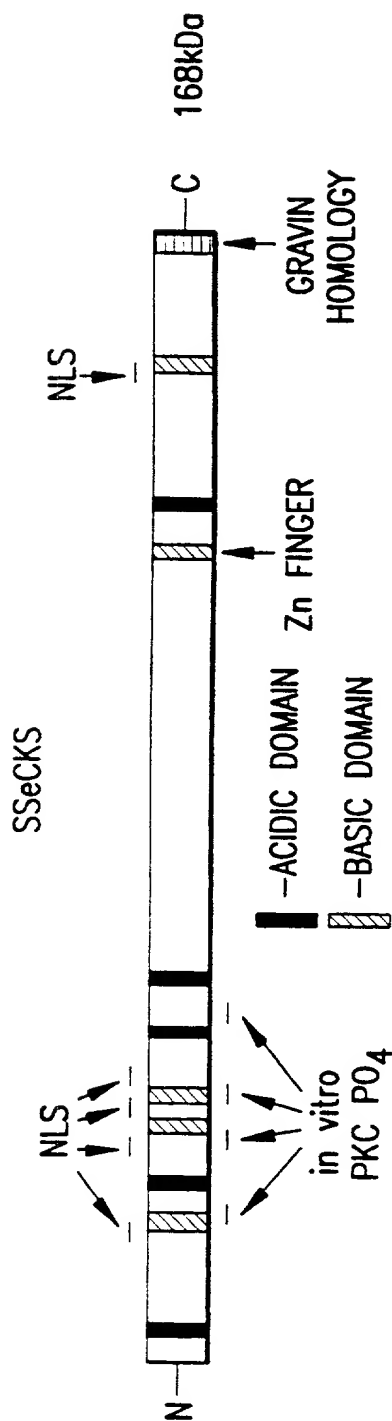


FIG.10

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5' ATG GGC GCA GGC AGT TCC ACC GAG CAG CGG AGC CCC GAG CAG CCG GCG GGG AGC
M G A G S S T E Q R S P E Q P A G S
63 72 81 90 99 100
GAC ACG CCG AGC GAG CTG GTG CTC AGT GGC CAT GGG CCC GCA GCT GAA GCC TCG
D T P S E L V L S G H G P A A E A S
117 126 135 144 153 162
GGA GCA GCT GGA GAC CCC GCC GAC GCG GAC CCC GCC ACC AAG CTC CCA CAG AAG
G A A G D P A D A D P A T K L P Q K
171 180 189 198 207 216
AAT GGC CAG CTG TCT TCT GTC AAC GGC GTA GCT GAA CAA GGA GAT GTC CAT GTC
N G Q L S S V N G V A E Q G D V H V
225 234 243 252 261 270
CAA GAG GAA AAC CAG GAG GGG CAG GAG GAA GAA GTC GTT GAT GAG GAT GTT GGA
Q E E N Q E G Q E E E V V D E D V G
279 288 297 306 315 324
CAG CGA GAG TCA GAA GAT GTG AGA GAA AAA GAC CGA GTT GAA GAA ATG GCG GCC
Q R E S E D V R E K D R V E E M A A
333 342 351 360 369 378
AAC TCC ACA GCT GTT GAA GAT ATC ACA AAG GAT GGG CAG GAG GAG ACA TCA GAA
N S T A V E D I T K D G Q E E T S E
387 396 405 414 423 432
ATA ATT GAA CAG ATC CCT GCT TCA GAA AAC AAT GTG GAA GAA ATG GTA CAG CCT
I I E Q I P A S E N N V E E M V Q P

FIG.11A

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441	450	459	468	477	486
GCT GAG TCC CAG GCT AAT GAT GTT GGC TTC AAG AAA GTA TTT AAA TTT GTT GGT					
A E S Q A N D V G F K K V F K F V G					
495	504	513	522	531	540
TTT AAA TTC ACG GTG AAG AAG GAT AAA AAT GAA AAG TCA GAT ACT GTC CAA CTA					
F K F T V K K D K N E K S D T V Q L					
549	558	567	576	585	594
CTC ACT GTC AAG AAG GAT GAA GGC GAA GGG GCA GAA GCC TCT GTC GGA GCT GGA					
L T V K K D E G E G A E A S V G A G					
603	612	621	630	639	648
GAC CAC CAG GAG CCC AGT GTG GAG ACT GCC GTC GGA GAG TCA GCA TCC AAA GAA					
D H Q E P S V E T A V G E S A S K E					
657	666	675	684	693	702
AGT GAG CTG AAG CAA TCC ACA GAG AAG CAA GAA GGC ACC CTG AAG CAA GAA CAG					
S E L K Q S T E K Q E G T L K Q E Q					
711	720	729	738	747	756
AGC AGC ACA GAA ATC CCC CTT CAA GCC GAA TCT GAT CAA GCG GCT GAG GAA GAA					
S S T E I P L Q A E S D Q A A E E E					
765	774	783	792	801	810
GCC AAA GAT GAA GGA GAA GAA CAA GAG AAA GAG CCC ACC AAG TCC CCA GAA					
A K D E G E E K Q E K E P T K S P E					
819	828	837	846	855	864
TCC CCG AGC AGC CCA GTC AAC AGT GAG ACA ACA TCT TCC TTC AAG AAG TTC TTC					
S P S S P V N S E T T S S F K K F F					

FIG.11B

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873	882	891	900	909	918
ACT CAC GGT TGG GCC GGC TGG CGC AAG AAG ACC AGC TTC AAG AAA TCA AAA GAG					

T H G W A G W R K K T S F K K S K E					

927	936	945	954	963	972
GAT GAT CTG GAA ACT GCC GAG AAG AGA AAG GAG CAA GAG GCA GAA AAA GTA GAC					

D D L E T A E K R K E Q E A E K V D					

981	990	999	1008	1017	1026
GAG GAA GAA AAG GAA AAG ACA GAG CCA GCC TCG GAG GAG CAG GAG CCG GCA GAA					

E E E K E K T E P A S E E Q E P A E					

1035	1044	1053	1062	1071	1080
GAC ACA GAC CAG GCC AGG TTG TCA GCA GAC TAC GAG AAG GTG GAG CTG CCT TTG					

D T D Q A R L S A D Y E K V E L P L					

1089	1098	1107	1116	1125	1134
GAA GAC CAG GTT GGT GAC CTG GAG GCA TCG TCA GAG GAG AAG TGT GCT CCT TTG					

E D Q V G D L E A S S E E K C A P L					

1143	1152	1161	1170	1179	1188
GCA ACG GAA GTG TTT GAT GAG AAG ATG GAA GCC CAC CAA GAA GTT GTT GCA GAG					

A T E V F D E K M E A H Q E V V A E					

1197	1206	1215	1224	1233	1242
GTC CAC GTG AGC ACC GTG GAG AAG ACA GAG GAG GAG CAG GGA GGA GGA GGA GAG					

V H V S T V E K T E E E Q G G G G E					

1251	1260	1269	1278	1287	1296
GCT GAA GGG GGC GTG GTG GTA GAA GGA ACA GGA GAA TCC TTG CCC CCT GAG AAA					

A E G G V V V E G T G E S L P P E K					

FIG.11C

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1305	1314	1323	1332	1341	1350
CTG GCT GAG CCC CAG GAG GTC CCC CAG GAA GCT GAG CCT GCT GAG GAG CTG ATG					
L A E P Q E V P Q E A E P A E E L M					
1359	1368	1377	1386	1395	1404
AAG AGC AGA GAG ATG TGT GTC TCT GGA GGA GAC CAC ACT CAA CTG ACA GAC CTA					
K S R E M C V S G G D H T Q L T D L					
1413	1422	1431	1440	1449	1458
AGT CCT GAA GAG AAG ACG CTG CCC AAA CAC CCA GAA GGC ATT GTC AGT GAG GTG					
S P E E K T L P K H P E G I V S E V					
1467	1476	1485	1494	1503	1512
GAG ATG CTG TCC TCT CAG GAA AGA ATC AAG GTA CAG GGA AGT CCC TTG AAG AAA					
E M L S S Q E R I K V Q G S P L K K					
1521	1530	1539	1548	1557	1566
CTC TTC AGT AGC TCA GGC TTA AAG AAG CTG TCT GGG AAG AAG CAG AAG GGG AAA					
L F S S S G L K K L S G K K Q K G K					
1575	1584	1593	1602	1611	1620
CGA GGA GGT GGG GGA GAC GAA GAG CCT GGA GAA TAC CAA CAC ATT CAC ACC GAA					
R G G G G D E E P G E Y Q H I H T E					
1629	1638	1647	1656	1665	1674
TCC CCA GAG AGT GCT GAT GAG CAG AAG GGA GAG AGC TCT GCG TCG TCC CCC GAG					
S P E S A D E Q K G E S S A S S P E					
1683	1692	1701	1710	1719	1728
GAG CCT GAG GAG ACC ACG TGT CTG GAG AAA GGG CCG CTG GAA GCA CCC CAG GAT					
E P E E T T C L E K G P L E A P Q D					

FIG.11D

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1737	1746	1755	1764	1773	1782
GGG GAA GCT GAG GAA GGA ACT ACT_TCC GAT GGA GAG_AAG AAG AGA GAA GGG ATC					
G E A E E G T T S D G E K K R E G I					
1791	1800	1809	1818	1827	1836
ACT CCC TGG GCA TCC TTC AAA AAG ATG GTG ACA CCC AAG AAA CGG GTC CGA AGA					
T P W A S F K K M V T P K K R V R R					
1845	1854	1863	1872	1881	1890
CCT TCT GAG AGT GAC AAG GAG GAA GAG CTG GAG AAG GTC AAG AGC GCC ACC TTG					
P S F S D K E E E L E K V K S A T L					
1899	1908	1917	1926	1935	1944
TCC TCC ACT GAT AGC ACA GTG TCA GAA ATG CAA GAT GAA GTC AAA ACT GTT GGT					
S S T D S T V S E M Q D E V K T V G					
1953	1962	1971	1980	1589	1998
GAG GAA CAA AAG CCA GAG GAA CCA AAG CGT AGG GTG GAT ACT TCA GTG TCT TGG					
E E Q K P E E P K R R V D T S V S W					
2007	2016	2025	2034	2043	2052
GAA GCA CTG ATT TGT GTC GGA TCA TCC AAG AAG AGA GCA AGG AAG GCA TCC TCT					
E A L I C V G S S K K R A R K A S S					
2061	2070	2079	2088	2097	2106
TCA GAT GAT GAA GGA GGG CCA AGG ACA CTG GGA GGG GAC AGT CAC AGA GCA GAG					
S D D E G G P R T L G G D S H R A E					
2115	2124	2133	2142	2151	2160
GAG GCC AGC AAA GAC AAA GAA GCC GGA ACA GAC GCT GTT CCT GCC AGC ACC CAG					
E A S K D K E A G T D A V P A S T Q					

FIG.11E

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2169	2178	2187	2196	2205	2114
GAG CAG GAC CAA	GCG CAA GGA AGT	ICC TCA CCC GAG CCA	GCG GGA AGC CTT	TCC	
-----	-----	-----	-----	-----	-----
E Q D Q	A Q G S S S	P E P A G S	P S		
2223	2232	2241	2250	2259	2268
GAA GGG GAA GGT	GTC TCC ACT TGG	GAG TCA TTT AAA	AGA TTA GTC ACT	CCA AGA	
-----	-----	-----	-----	-----	-----
E G E G	V S T W E S	F K R L V T	P R		
2277	2286	2295	2304	2313	2322
AAA AAA TCC AAG	TCA AAA CTG GAA	GAG AAA GCC GAA	GAC TCT AGT GTA	GAG CAG	
-----	-----	-----	-----	-----	-----
K K S K	S K L E E K	A E D S S V	E Q		
2331	2340	2349	2358	2367	2376
TTG TCC ACT GAG	ATC GAA CCG AGT	AGA GAA GAA TCT	TGG GTT TCC ATT	AAG AAA	
-----	-----	-----	-----	-----	-----
L S T E	I E P S R E	E S W V S I	K K		
2385	2394	2403	2412	2421	2430
TTC ATC CCC GGA	CGG CGG AAG AAA	AGG GCA GAC GGG	AAG CAA GAA CAA	GCC ACT	
-----	-----	-----	-----	-----	-----
F I P G	R R K K R A	D G K Q E Q	A T		
2439	2448	2457	2466	2475	2484
GTG GAA GAC TCA	GGG CCA GTG GAG	ATA AAT GAG GAC	GAC CCT AAT GTC	CCA GCC	
-----	-----	-----	-----	-----	-----
V E D S	G P V E I N	E D D P N V	P A		
2493	2502	2511	2520	2529	2538
GTC GTG CCT CTG	TCT GAG TAT AAT	GCA GTG GAG AGG	GAG AAG ATG GAA	GCC CAG	
-----	-----	-----	-----	-----	-----
V V P L	S E Y N A V	E R E K M E	A Q		
2547	2556	2565	2574	2583	2592
GGG AAT ACG GAG	CTG CCC CAG CTG	CTG GGG GCT GTG	TAC GTG TCC GAG	GAG CTC	
-----	-----	-----	-----	-----	-----
G N T E	L P Q L L G	A V Y V S E	E L		

FIG.11F

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2601 2610 2619 2628 2637 2646
AGT AAG ACT CTG GTC CAC ACT GTG AGT GTC GCA GTC ATT GAT GGG ACC AGG GCA

S K T L V H T V S V A V I D G T R A

2655 2664 2673 2682 2691 2700
GTC ACC AGT GTC GAA GAG CGG TCT CCT TCG TGG ATA TCC GCT TCC GTA ACA GAA

V T S V E E R S P S W I S A S V T E

2790 2718 2727 2736 2745 2754
CCT CTT GAA CAC ACA GCG GGA GAA GCC ATG CCA CCT GTT GAA GAG GTC ACT GAA

P L E H T A G E A M P P V E E V T E

2763 2772 2781 2790 2799 2808
AAA GAC ATC ATT GCA GAA GAA ACT CCT GTG CTC ACC CAG ACG TTA CCA GAG GGT

K D I I A E E T P V L T Q T L P E G

2817 2826 2835 2844 2853 2862
AAA GAT GCC CAT GAC GAC ATG GTC ACC AGT GAA GTG GAT TTC ACC TCA GAA GCT

K D A H D D M V T S E V D F T S E A

2871 2880 2889 2898 2907 2916
GTG ACA GCC ACA GAG ACC TCA GAG GCT CTC CGT ACT GAA GAA GTT ACC GAA GCA

V T A T E T S E A L R T E E V T E A

2925 2934 2943 2952 2961 2970
TCG GGG GCC GAA GAG ACC ACA GAC ATG GTG TCC GCA GTT TCC CAG CTG ACT GAC

S G A E E T T D M V S A V S Q L T D

2979 2988 2997 3006 3015 3024
TCC CCA GAC ACC ACA GAG GAA GCC ACC CCA GTT CAG GAG GTA GAG AGT GGT GTG

S P D T T E E A T P V Q E V E S G V

FIG.11G

FIG.11G

3033	3042	3051	3060	3069	3078
CTA GAT ACA GAA GAA GAG GAG CGC CAG ACG CAG GCC ATC CTC CAA GCC GTT GCA					
L D T E E E E R Q T Q A I L Q A V A					
3087	3096	3105	3114	3123	3132
GAC AAG GTG AAA GAG GAG TCC CAG GTG CCT GCA ACC CAG ACT GTG CAG AGA ACG					
D K V K E E S Q V P A T Q T V Q R T					
3141	3150	3159	3168	3177	3186
GGG TCA AAA GCA CTG GAG AAG GTT GAG GAG GTA GAG GAG GAC TCC GAA GTG CTG					
G S K A L E K V E E V E E D S E V L					
3195	3204	3213	3222	3231	3240
GCT TCG GAG AAA GAG AAG GAC GTT ATG CCG AAA GGA CCC GTG CAG GAA GCT GGA					
A S E K E K D V M P K G P V Q E A G					
3195	3258	3267	3276	3285	3294
GCT GAG CAT CTT GCA CAG GGC TCT GAG ACT GGA CAG GCT ACT CCA GAG AGC CTT					
A E H L A Q G S E T G Q A T P E S L					
3303	3312	3321	3330	3339	3348
GAA GTT CCT GAA GTC ACG GCA GAT GTA GAC CAT GTC GCC ACG TGC CAG GTT ATC					
E V P E V T A D V D H V A T C Q V I					
3357	3366	3375	3384	3393	3402
AAG CTC CAG CAG CTG ATG GAA CAG GCC GTG GCC CCT GAG TCA TCC GAA ACC TTG					
K L Q Q L M E Q A V A P E S S E T L					
3411	3420	3429	3438	3447	3456
ACA GAC AGT GAG ACA AAT GGA AGC ACT CCC TTA GCA GAT TCA GAC ACT GCA GAT					
T D S E T N G S T P L A D S D T A D					

FIG.11H

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3465	3474	3483	3492	3501	3510
GGG ACA CAG CAA GAT GAA ACC ATT GAC AGC CAG GAC AGT AAA GCC ACT GCA GCT					
---	---	---	---	---	---
G T Q Q D E T I D S Q D S K A T A A					
3519	3528	3537	3546	3555	3564
GTC AGG CAG TCA CAG GTC ACA GAA GAA GAG GCG GCT ACT GCT CAG AAA GAG GAG					
---	---	---	---	---	---
V R Q S Q V T E E E A A T A Q K E E					
3573	3582	3591	3600	3609	3618
CCT TCG ACA CTA CCT AAT AAT GTT CCA GCC CAG GAA GAA CAT GGG GAA GAA CCA					
---	---	---	---	---	---
P S T L P N N V P A Q E E H G E E P					
3627	3636	3645	3654	3663	3672
GGA AGA GAT GTT CTT GAA CCT ACA CAG CAA GAG CTT ACT GCT GCA GCC GTG CCC					
---	---	---	---	---	---
G R D V L E P T Q Q E L T A A A V P					
3681	3690	3699	3708	3717	3726
GTT CTG GCA AAG ACT GAG GTG GGT CAA GAG GGT GAG GTT GAC TGG TTG GAT GGA					
---	---	---	---	---	---
V L A K T E V G Q E G E V D W L D G					
3735	3744	3753	3762	3771	3780
GAA AAA GTC AAA GAA GAA CAG GAG GTG TTT GTA CAC TCT GGA CCC AAC AGT CAA					
---	---	---	---	---	---
E K V K E E Q E V F V H S G P N S Q					
3789	3798	3807	3816	3825	3834
AAG GCT GCT GAT GTG ACA TAT GAC AGT GAA GTG ATG GGA GTG GCC GGG TGT CAG					
---	---	---	---	---	---
K A A D V T Y D S E V M G V A G C Q					
3843	3852	3861	3870	3879	3888
GAA AAG GAG AGT ACT GAA GTG CAG AGT CTT AGC CTG GAG GAG GGA GAG ATG GAA					
---	---	---	---	---	---
E K E S T E V Q S L S L E E G E M E					

FIG.11I

3897	3906	3915	3924	3933	3942
ACT GAC GTT GAA AAG GAG AAA AGG GAG ACA AAG CCA GAG CAA GTG AGT GAA GAA					
---	---	---	---	---	---
T D V E K E K R E T K P E Q V S E E					
3951	3960	3969	3978	3987	3996
GGT GAG CAG GAA ACA GCC GCT CCT GAG CAT GAA GGA ACC TAC GGG AAG CCA GTC					
---	---	---	---	---	---
G E Q E T A A P E H E G T Y G K P V					
4005	4014	4023	4032	4041	4050
CTG ACA CTT GAC ATG CCC AGC TCA GAG AGG GGG AAG GCA CTG GGA AGC CTT GGA					
---	---	---	---	---	---
L T L D M P S S E R G K A L G S L G					
4059	4068	4077	4086	4095	4104
GGA AGC CCT TCT CTC CCA GAC CAA GAC AAA GCA GGT TGC ATA GAG GTT CAA GTT					
---	---	---	---	---	---
G S P S L P D Q D K A G C I E V Q V					
4113	4122	4131	4140	4149	4158
CAA AGC CTG GAC ACA ACA GTC ACT CAA ACA GCA GAA GCT GTG GAA AAG GTC ATA					
---	---	---	---	---	---
Q S L D T T V T Q T A E A V E K V I					
4167	4176	4185	4194	4203	4212
GAA ACG GTT GTG ATT TCA GAG ACA GGT GAA AGT CCA GAG TGT GTA GGT GAC CAC					
---	---	---	---	---	---
E T V V I S E T G E S P E C V G A H					
4221	4230	4239	4248	4257	4266
TTA TTA CCA GCT GAG AAG TCC TCT GCA ACG GGT GGC CAC TGG ACT CTT CAG CAT					
---	---	---	---	---	---
L L P A E K S S A T G G H W T L Q H					
4275	4284	4293	4902	4311	4320
GCA GAG GAC ACG GTA CCC CTG GGG CCT GAG TCT CAG GCA GAA TCC ATC CCA ATC					
---	---	---	---	---	---
A E D T V P L G P E S Q A E S I P I					

FIG.11J

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4329	4338	4347	4356	4365	4374
ATA GTA ACT CCT GCT CCT GAA AGC ACC CTA CAT CCT GAC CTA CAA GGA GAA ATA					
I V T P A P E S T L H P D L Q G E I					
4383	4392	4401	4410	4419	4428
AGC GCA TCC CAG AGA GAG CGA TCA GAG GAA GAG GAC AAG CCA GAT GCT GGT CCT					
S A S Q R E R S E E E D K P D A G P					
4437	4446	4455	4464	4473	4482
GAT GCT GAC GGC AAG GAG AGT ACA GCA ATC GAA AAA GTC CTC AAG GCT GAA CCT					
D A D G K E S T A I E K V L K A E P					
4491	4500	4509	4518	4527	4536
GAG ATC CTG GAA CTT GAG AGT AAG AGC AAC AAG ATT GTG CTG AAC GTC ATT CAG					
E I L E L E S K S N K I V L N V I Q					
4545	4554	4563	4572	4581	4590
ACA GCC GTT GAC CAG TTC GCA CGT ACA GAA ACA GCC CCC GAA ACT CAT GCT TAT					
T A V D Q F A R T E T A P E T H A Y					
4599	4608	4617	4626	4635	4644
GAT TCA CAG ACC CAG GTT CCT GCA TGC AGG CTT GAC AGC AGG GAG CCC AAC AGA					
D S Q T Q V P A C R L D S R E P N R					
4653	4662	4671	4680	4689	4698
TGC TGG ACA AAA ATG AAA GAT GCC AAG ATG AAA CAC CCA GTG CCG CAG CCC AGA					
C W T K M K D A K M K H P V P Q P R					
4707	4716	4725	4734	4743	4752
GAG GAC TTG CAA GTC CTG ACC GTT CTG GAG GCA TGG GCT CAG CCT CGG AAA TGC					
E D L Q V L T V L E A W A Q P R K C					

FIG.11K

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4761	4770	4779	4788	4797	4806
TTG CCG CGC	TTG CAG TTG	AAA GCG CCG	GTG TCA AAG	TAA GCA TTG	AGA AGC TGC

L	P	R	L	Q	L

4815	4824	4833	4842	4851	4860
CTC CTC AAC	CCA AAG ATC	CAA AAG GAG	CAT GCT GCT	GAT GGC CCT	CAG CTC CAA

4869	4878	4887	4896	4905	4914
AGC TTA GCC	CAG GCA GAG	GCC AGT GCC	TCT GGA AAC	CTA ACC AAA	GAA TCC CCA

4923	4932	4941	4950	4959	4968
GAC ACC ACC	GGA CCA AAG	CTA ACC GAG	GAG GGC GAT	CCC CCA AAA	GTT CAG GTC

4977	4986	4995	5004	5013	5022
CAG GAA GAA	GAA ATG TCT	ACC AAG TCA	GTC AAA GAG	AAC AAG GCC	CAG GCA GAA

5031	5040	5049	5058	5067	5076
GAG GAC CTG	CAG GAG CCA	AAG GGA GAC	CTG GCA GAA	TCC TCC GAT	GTT AGT TGC

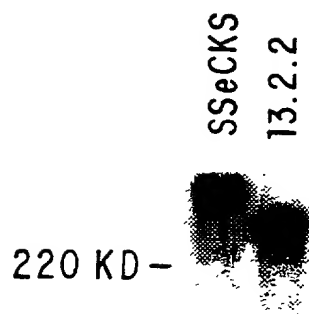
5085	5094	5103	5112	5121	5130
TCA TTG TAC	ATC TGT AAG	ACC AGA ATG	TGA AAA CAA	GTC ACA GAA	CAA GAT GCT

5139	5148	5157	5166	5175	5184
GCT GTT GGG	ACC TTG AGA	CCA AGA TTT	CAG AGC CCA	TGA CAT CCA	GAG AGC AGG

5193					
GCC GTC CAA	TGA TTT	C 3'			

FIG.11L

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116 -

97.4 -

FIG.12

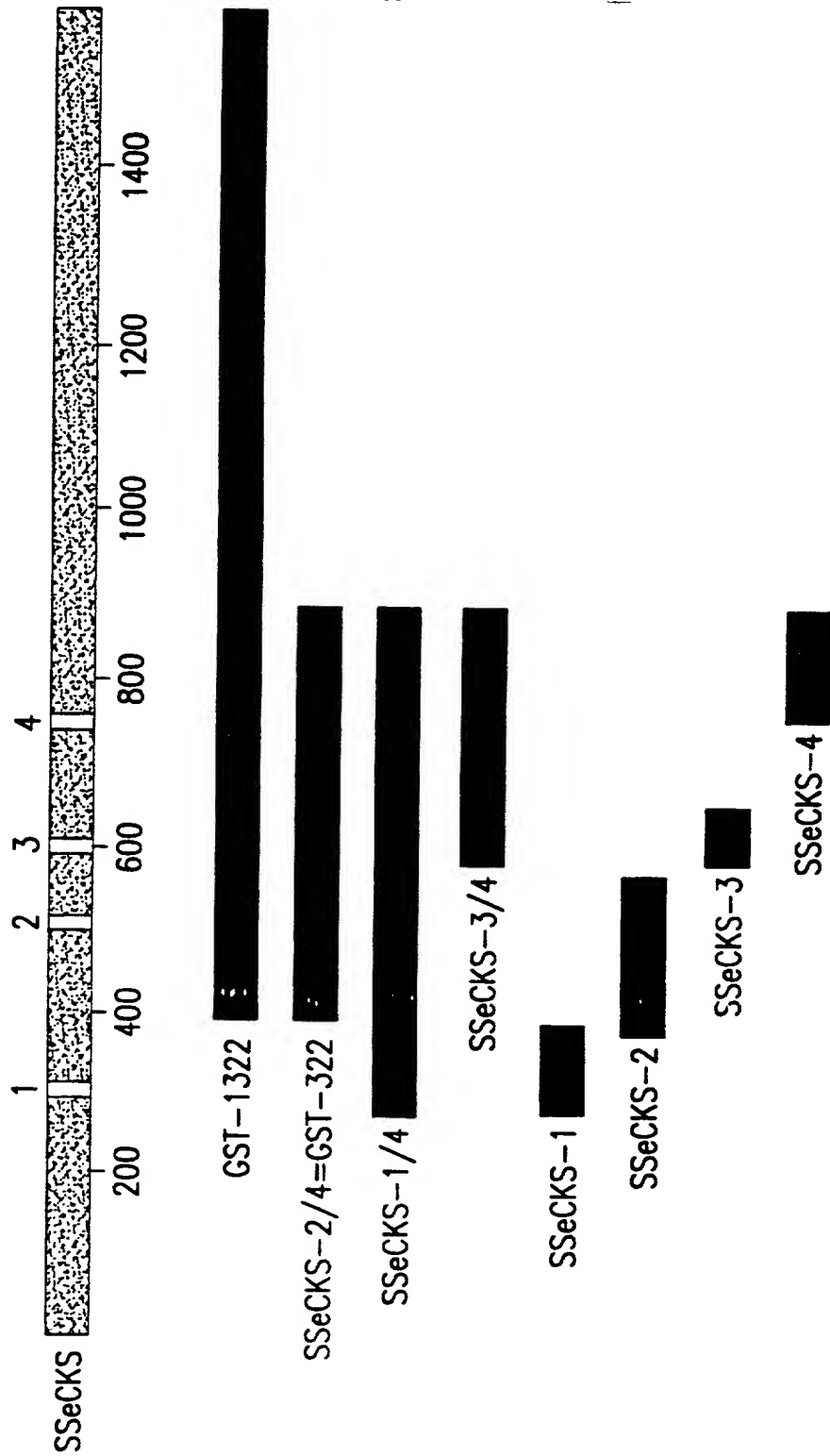


FIG.13A

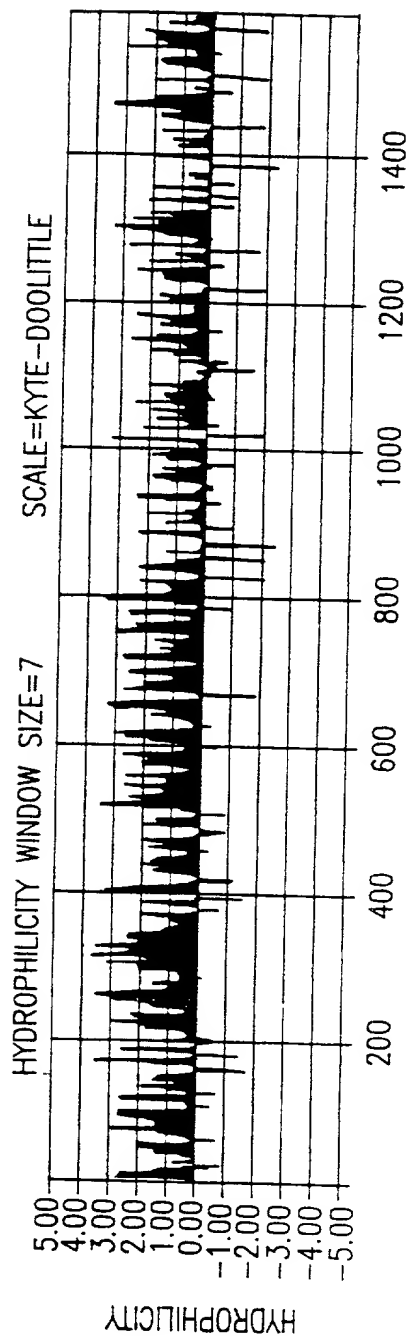


FIG.13B

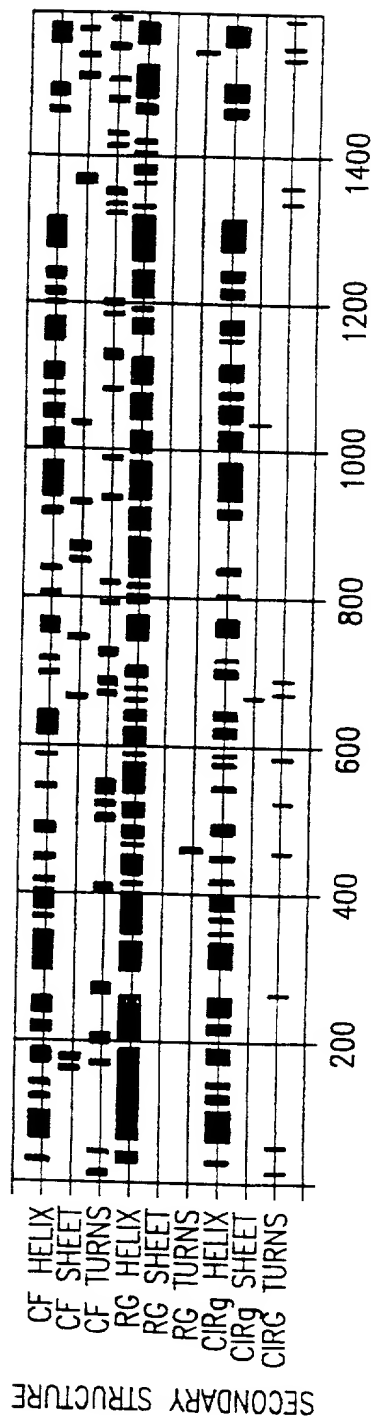


FIG.13C

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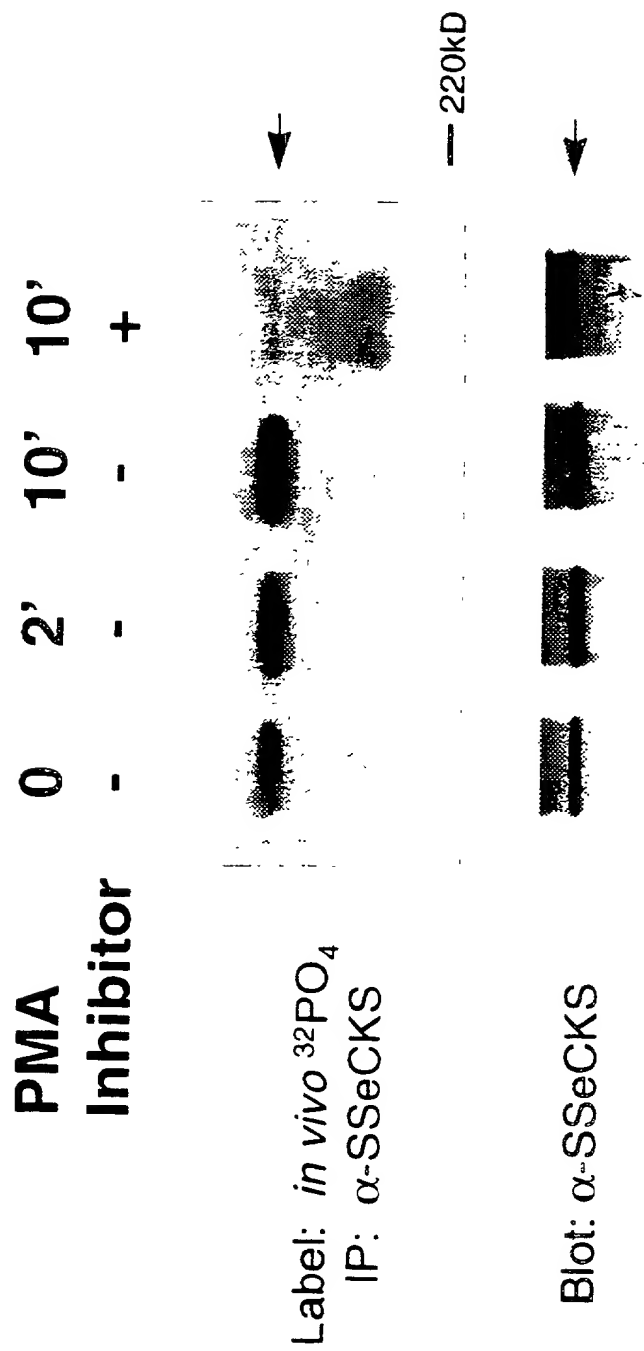
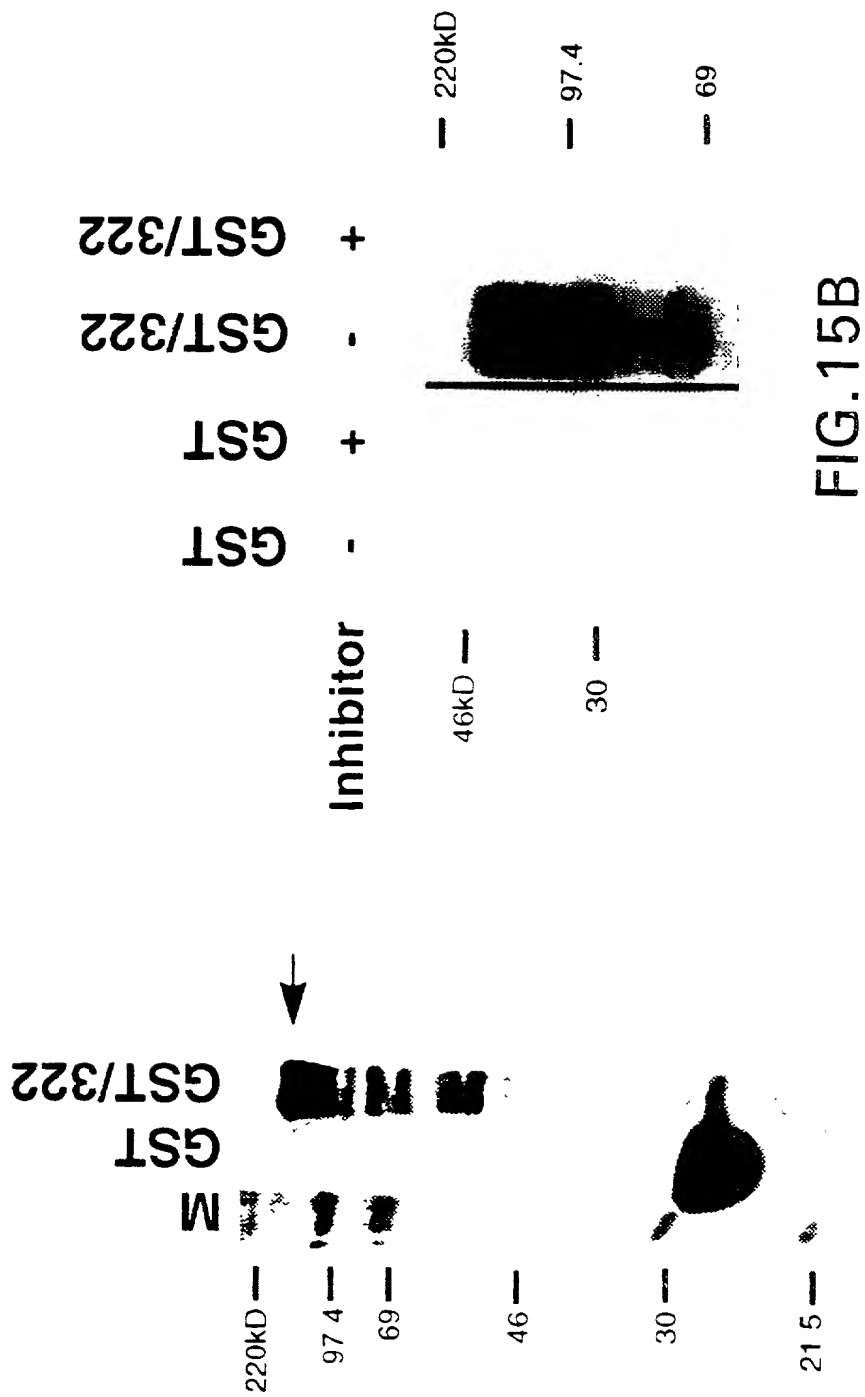


FIG.14

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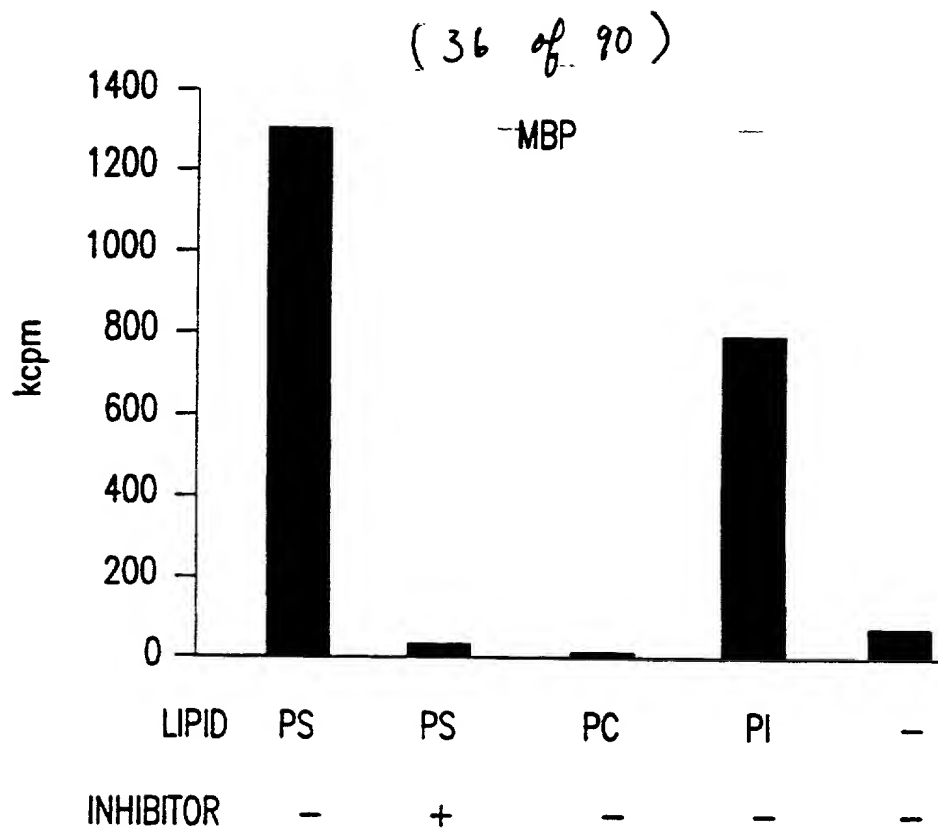


FIG.16A

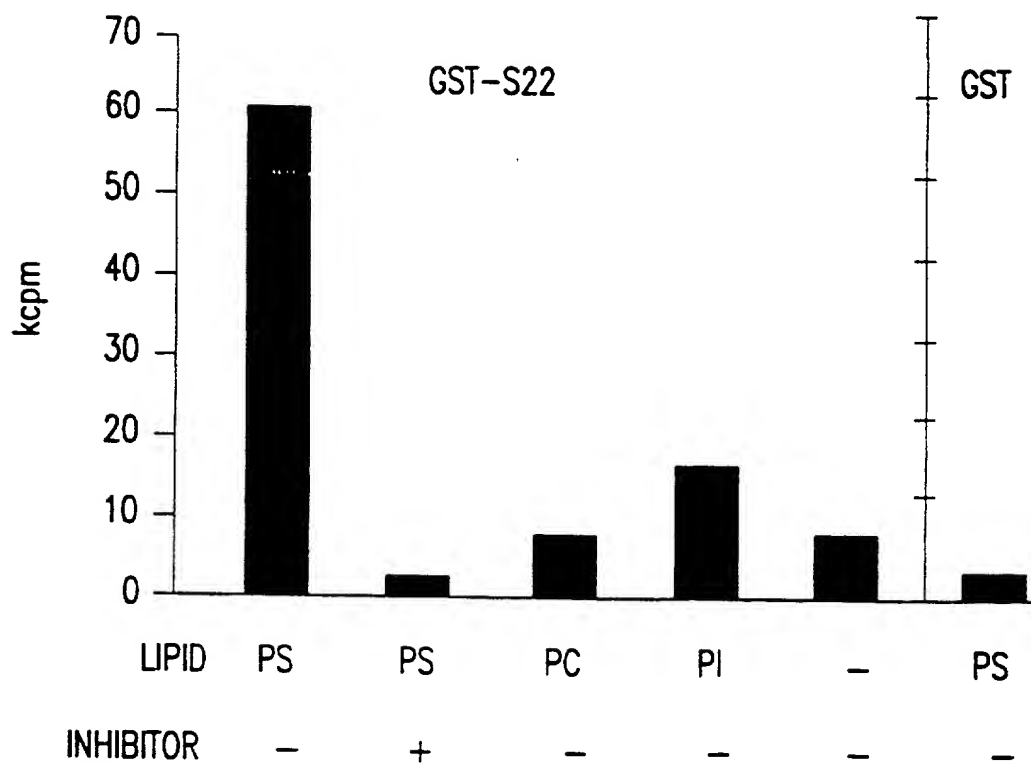


FIG.16B

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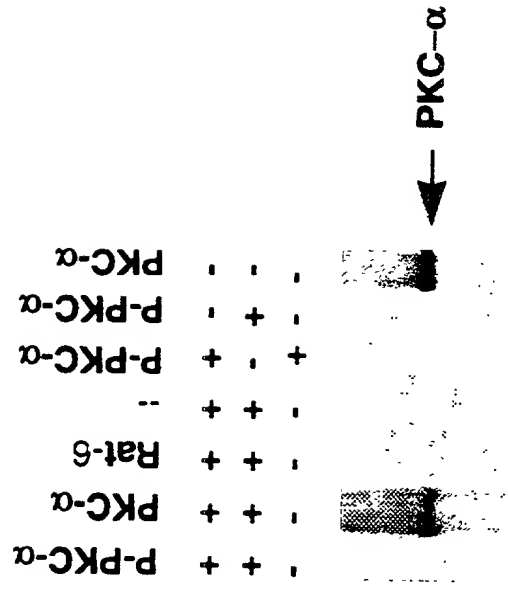


FIG.17A

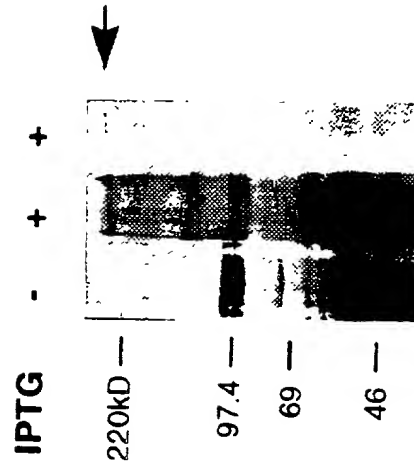


FIG.17B

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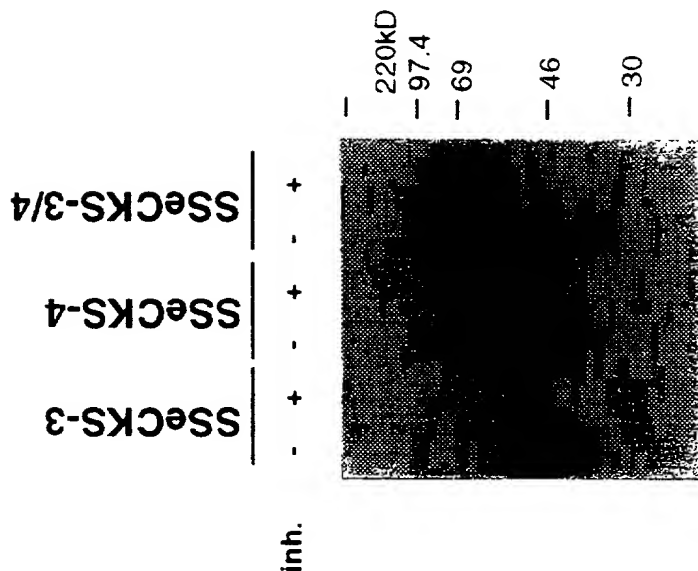


FIG.18B

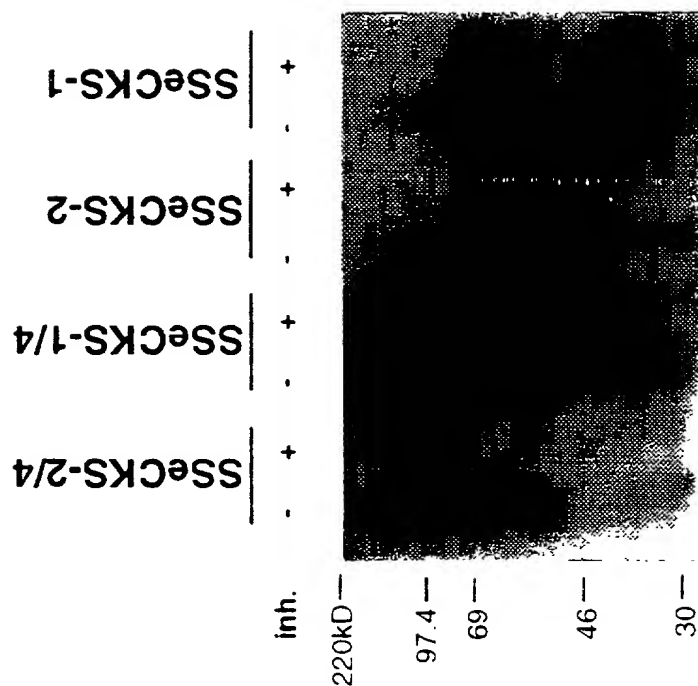
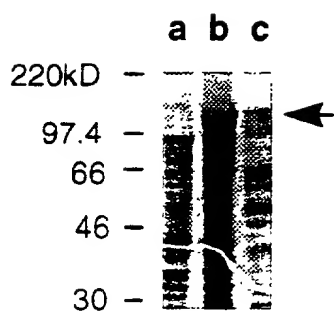


FIG.18A

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SSeCKS-2/4

FIG.18C



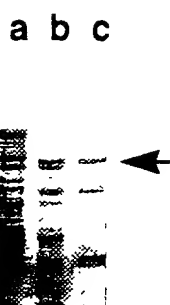
SSeCKS-1/4

FIG.18D



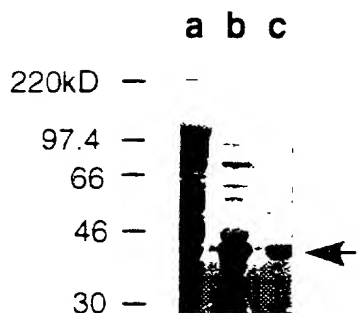
SSeCKS-2

FIG.18E



SSeCKS-1

FIG.18F



SSeCKS-3

FIG.18G



SSeCKS-4

FIG.18H



SSeCKS-3/4

FIG.18I

20250320 23:23:50

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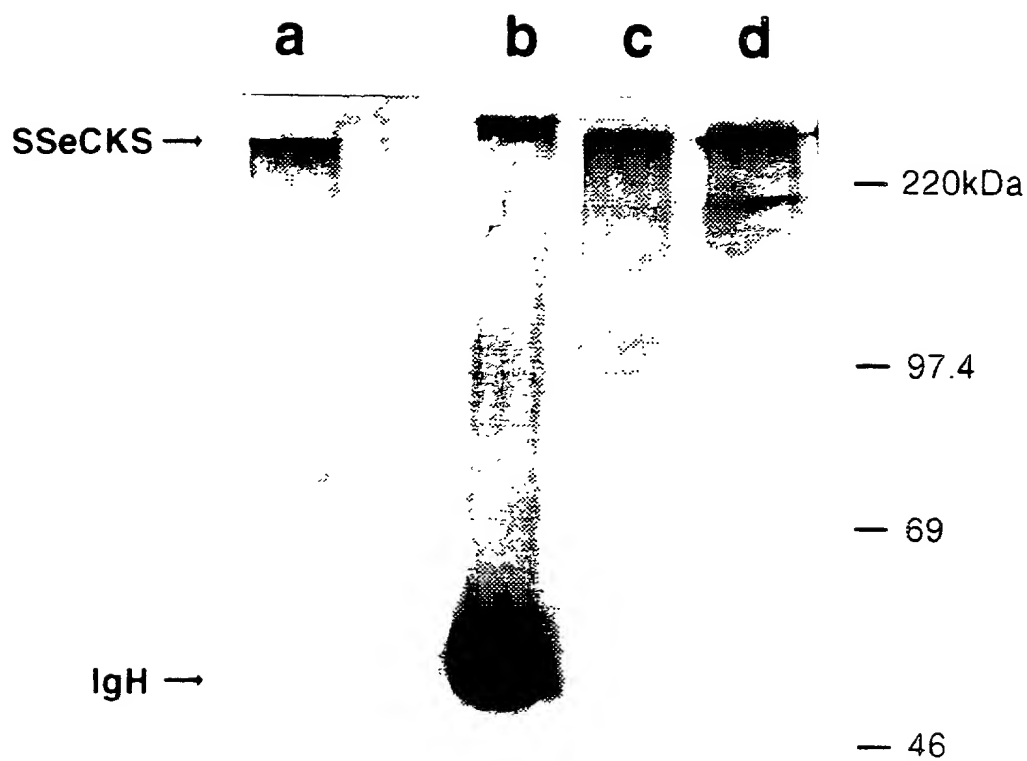


FIG.19

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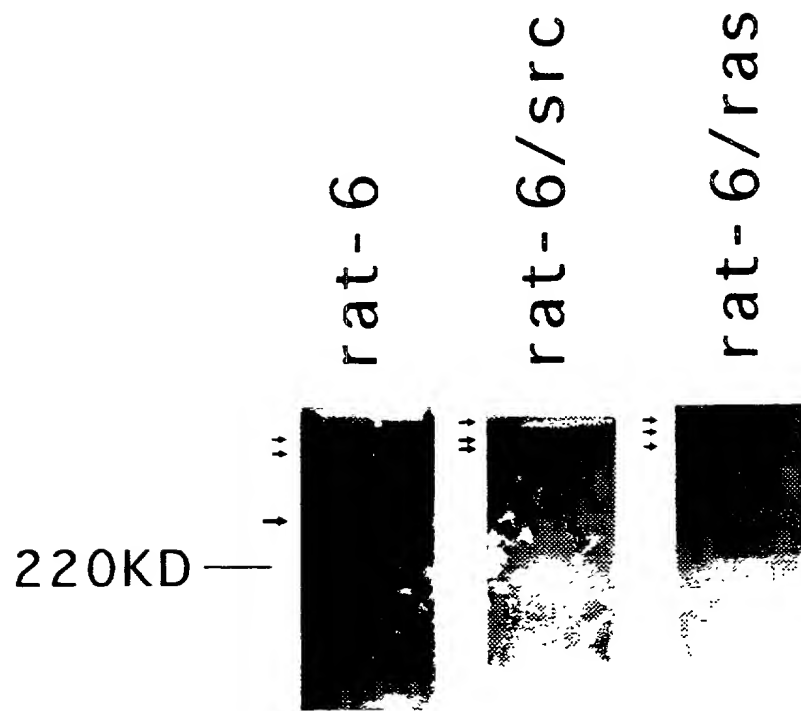


FIG.20

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FIG. 21A



FIG. 21B



FIG. 21C



FIG. 21D



FIG. 21E



FIG. 21F



FIG. 21G



FIG. 21H



FIG. 21I



FIG. 21J

FIG. 21A

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Rat-6/PKC α Rat-6

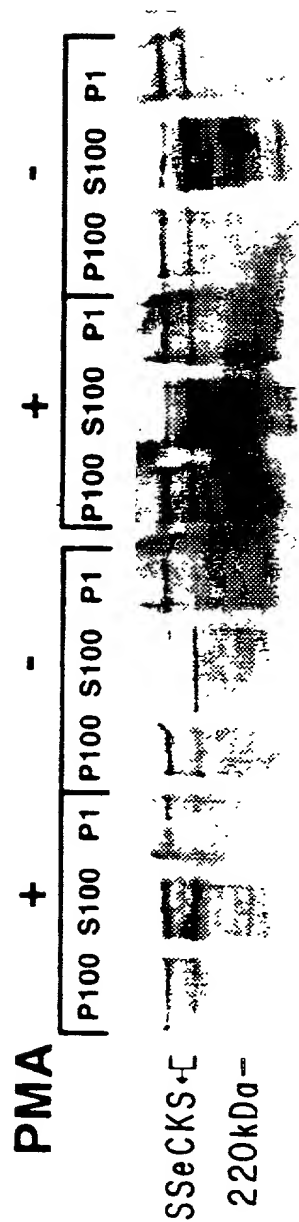


FIG.22

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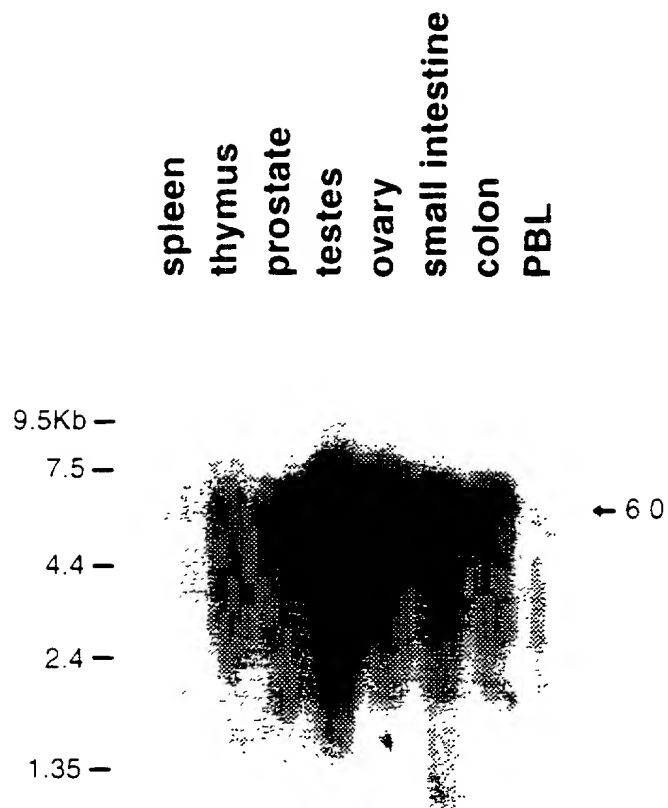


FIG.23A

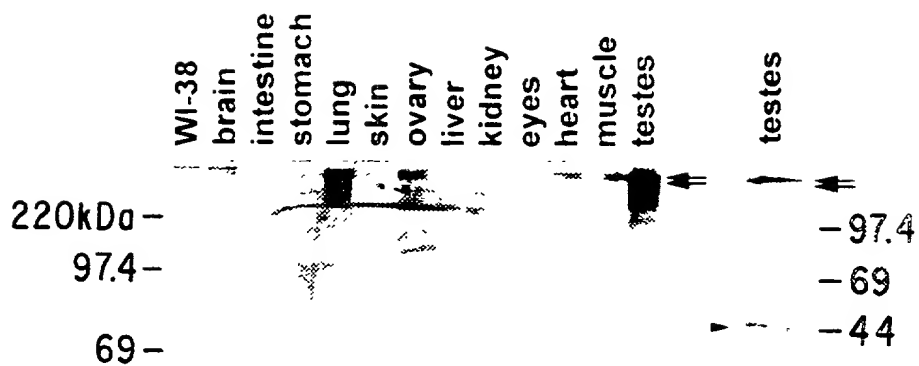


FIG.23B

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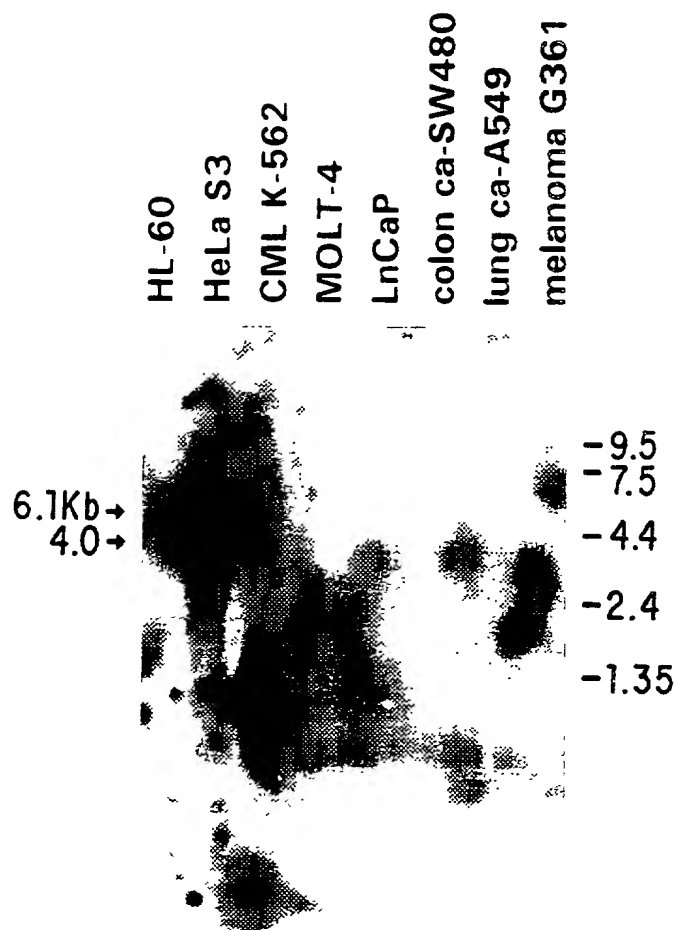


FIG.24

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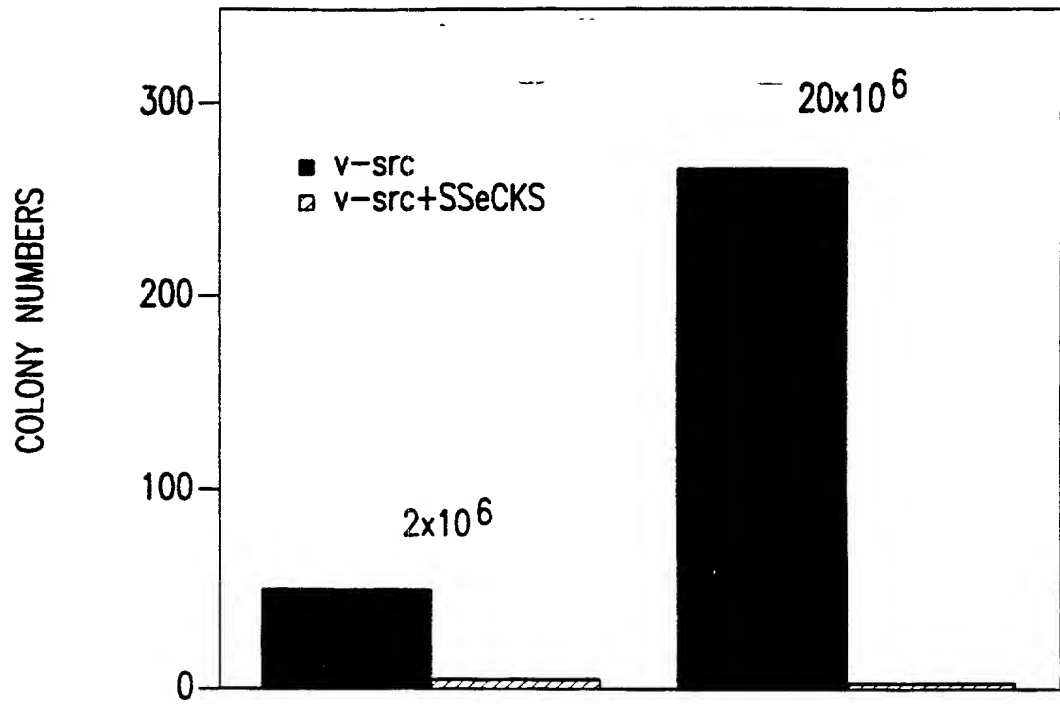


FIG.25A

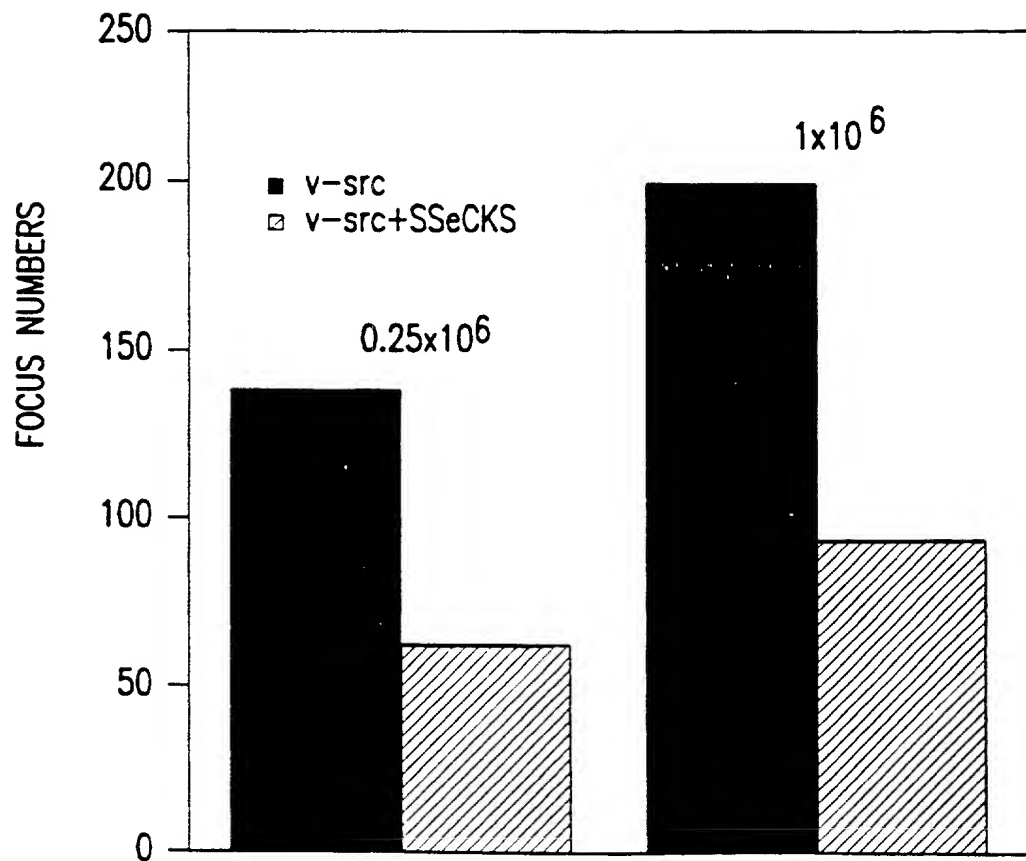


FIG.25B

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		<u>Myr.</u>	<u>Pal.</u>
src	MGSSKSKPKD	+	-
yes	MGCIKSKEDK	+	+
SSeCKS	MGAGSSTEQR	+	?
G α t1	MGAGASAE EK	+	-
G α i1	MGCTLSAEDK	+	+
GAP-43	MLCCMRRTKQ	-	+
MYRIST. CONSENSUS:		MGXXX ^S / _T	

FIG.26

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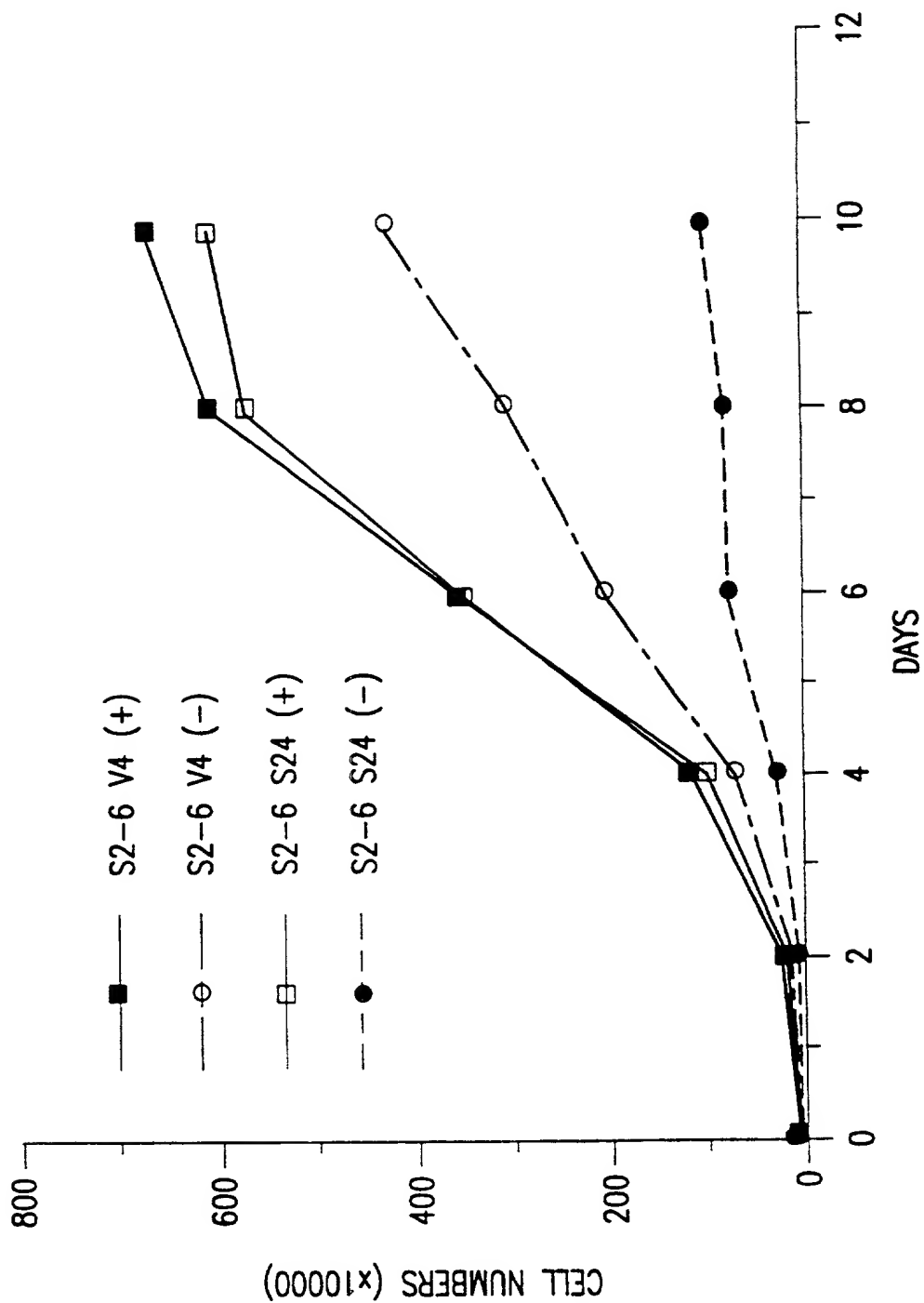


FIG.27

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Tet + -



-220kDa

FIG.28

FOOT 20" 2E42060

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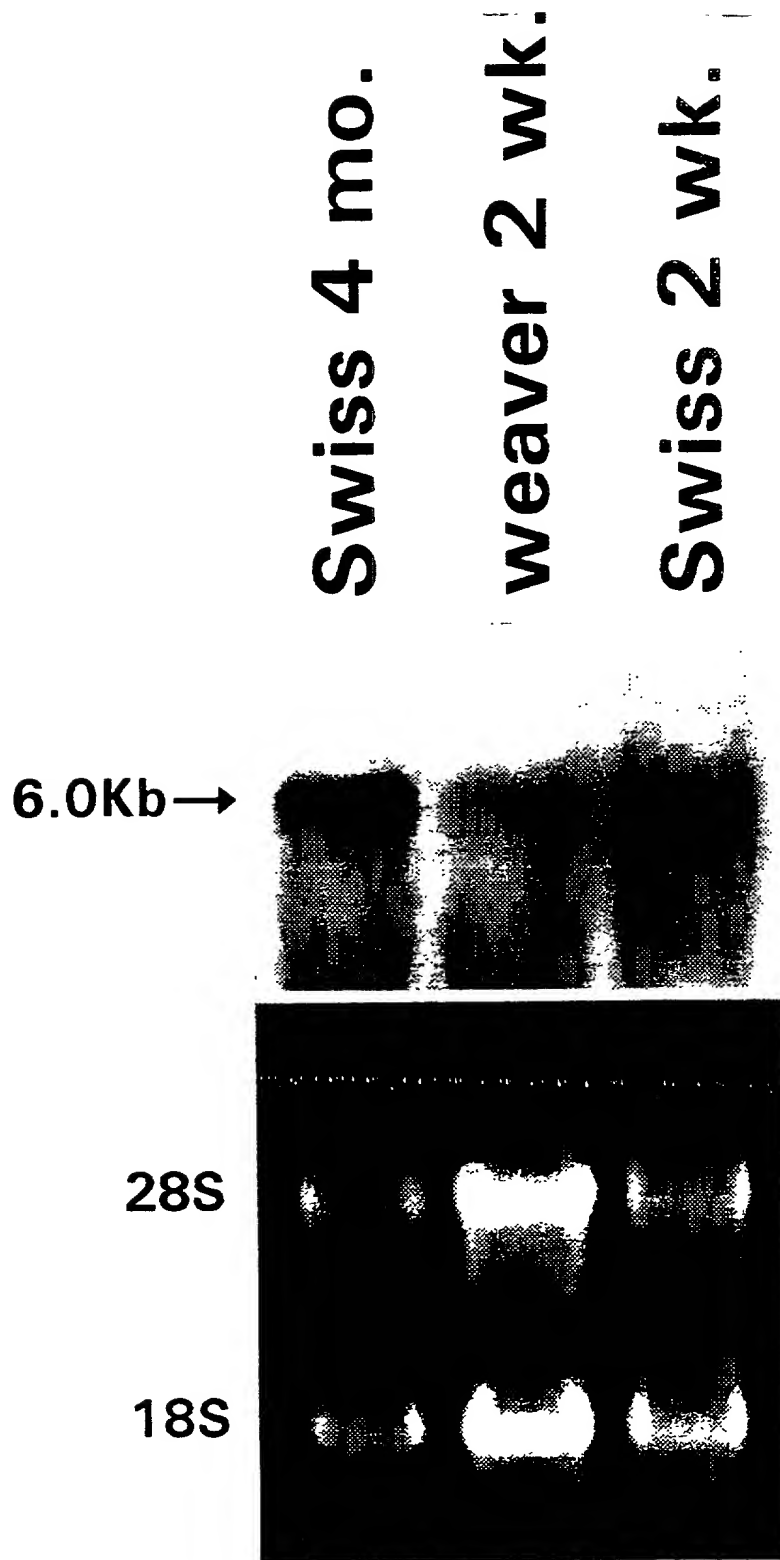


FIG.29

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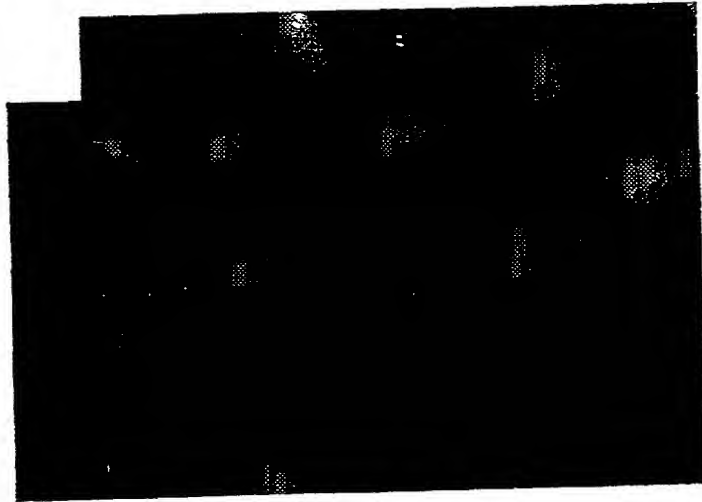


FIG.30A

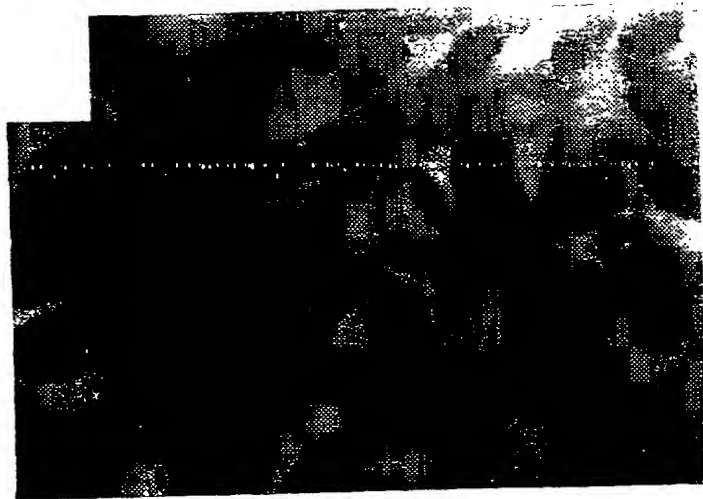


FIG.30B

2025-04-20 14:20:20

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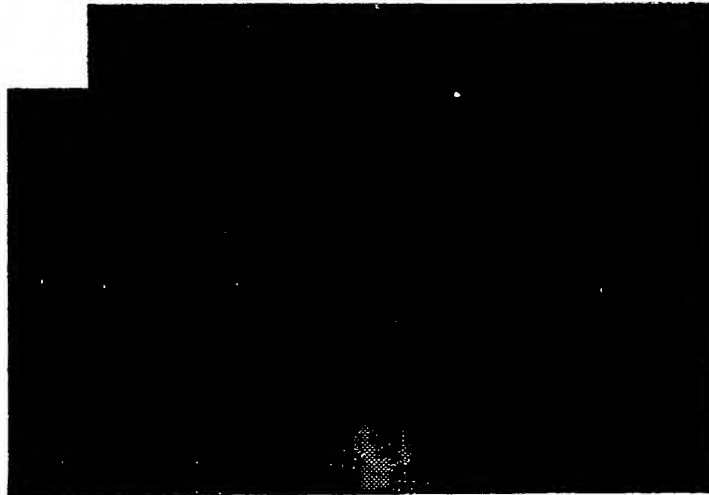


FIG.30C



FIG.30D

090243-071001

00 00000
 01 00000
 02 00000
 03 00000
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 89 00000
 90 00000
 91 00000
 92 00000
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 94 00000
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 96 00000
 97 00000
 98 00000
 99 00000

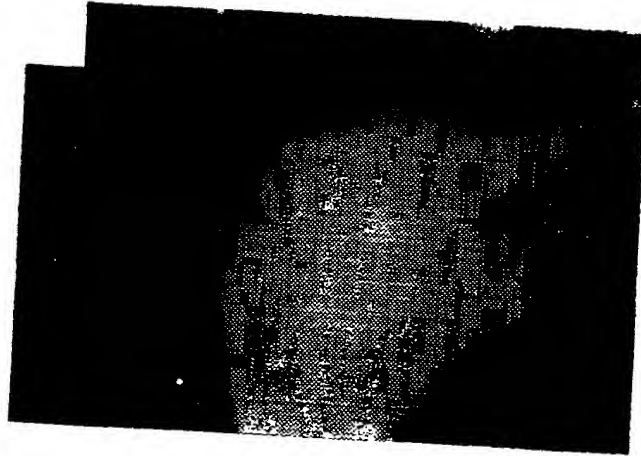


FIG.31A



FIG. 31B

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FIG.31C



FIG.31D

FIG. 31C



FIG. 32A

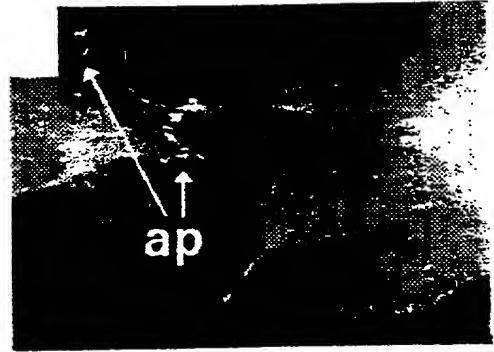


FIG. 32B



FIG. 32C

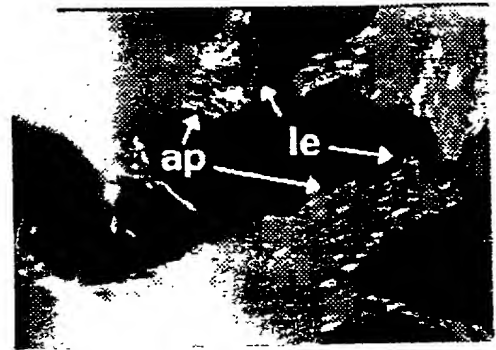


FIG. 32D



FIG. 32E



FIG. 32F



FIG. 32G



FIG. 32H

0000433-074004

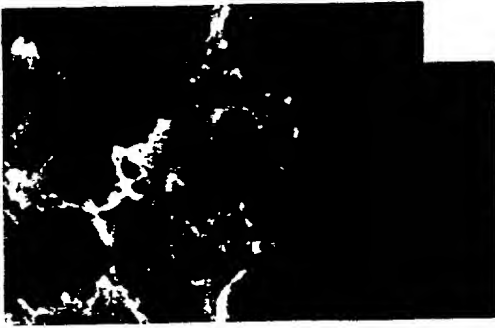


FIG. 33A



FIG. 33B



FIG. 33C

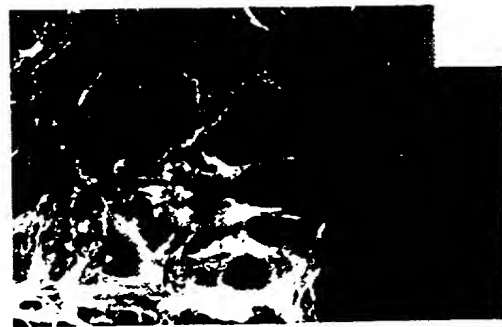


FIG. 33D



FIG. 33E

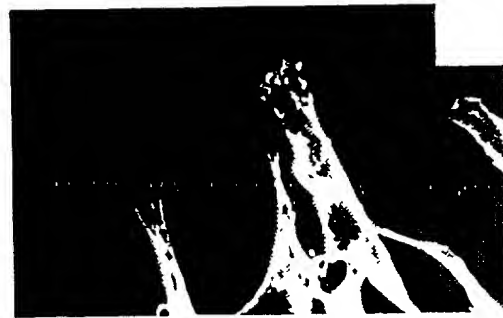


FIG. 33F



FIG. 33G



FIG. 33H

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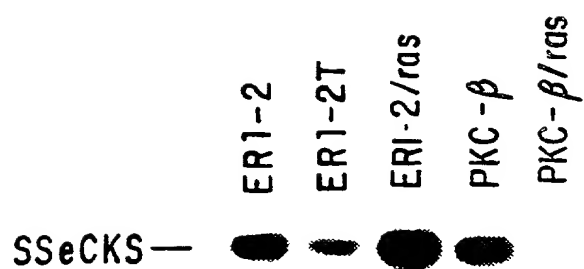


FIG.34

(58 of 90)

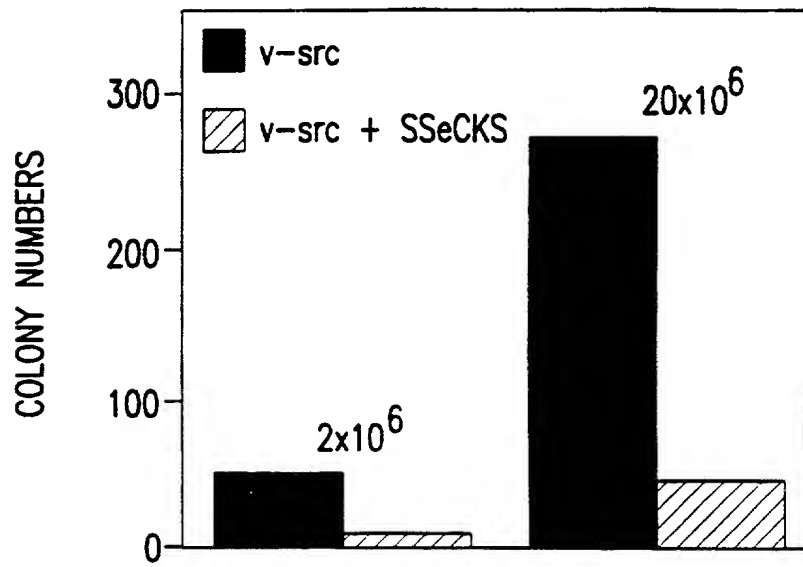


FIG.35A

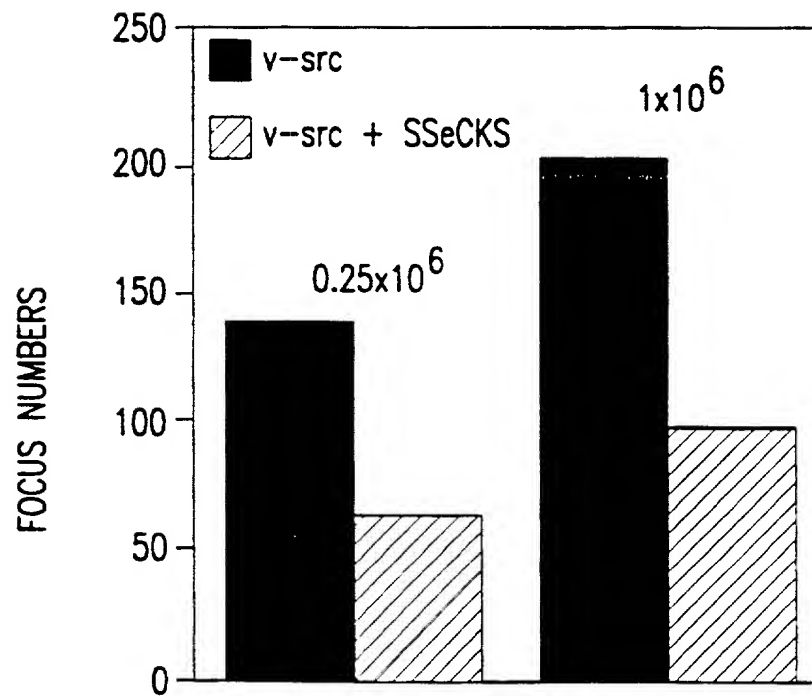
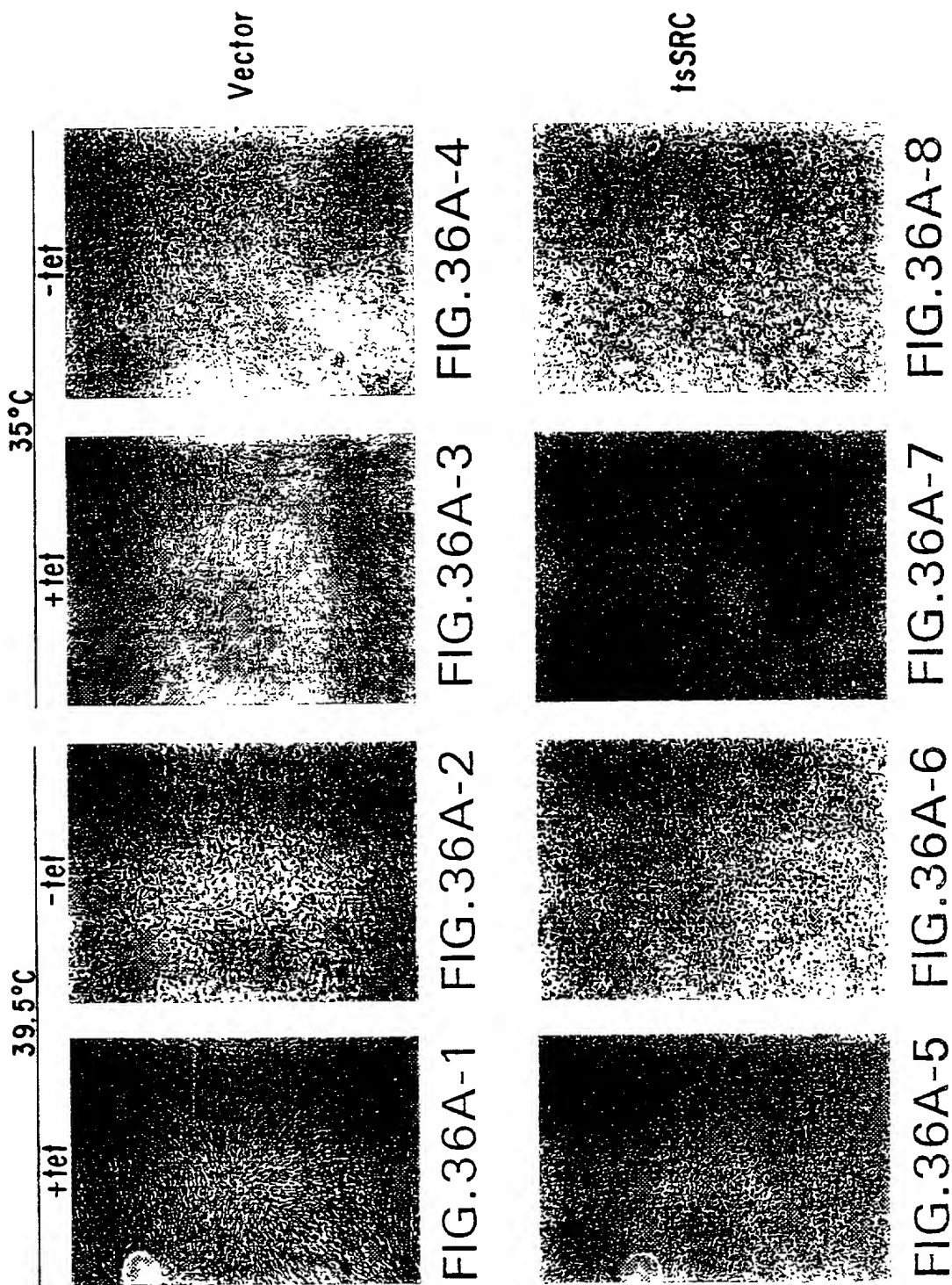


FIG.35B



(60 of 90)

35°C

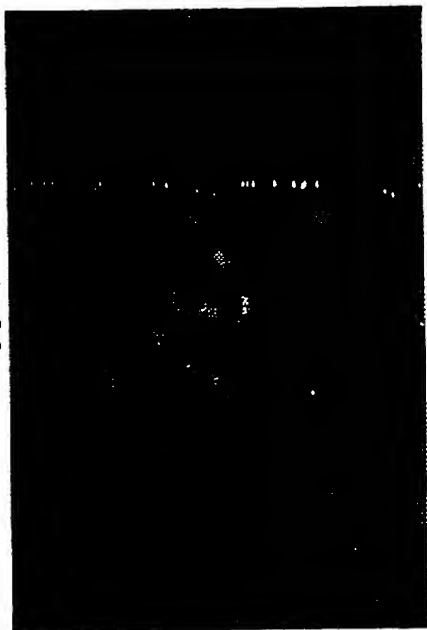


FIG.36B-1

39.5°C

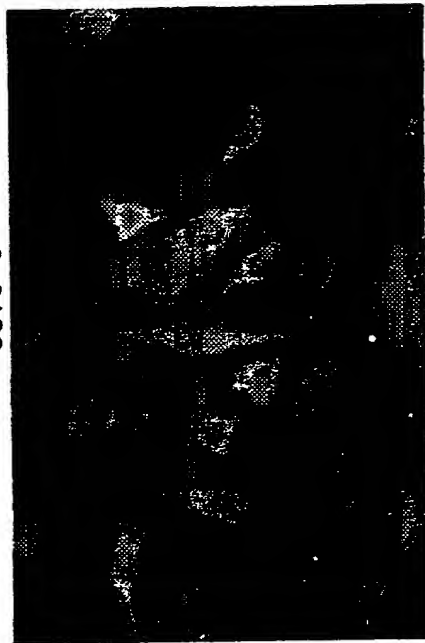


FIG.36B-2

+tet



FIG.36B-3



FIG.36B-4

-tet



FIG.37A-1



FIG.37A-2

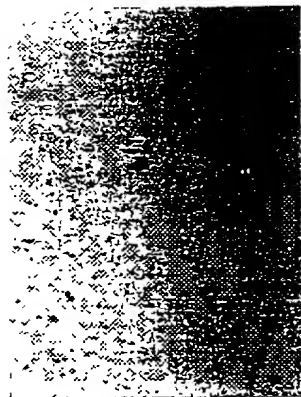


FIG.37A-3

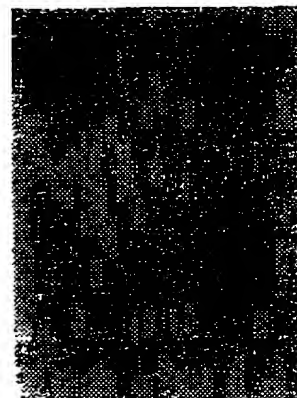


FIG.37A-4

(62 of 90)

SOFT AGAR COLONY FORMATION						
	ts src1	ts src2	ts src3	ts src4	pLJ2	pLJ3
+ tet	2160	1640	2800	1080	0	0
- tet	60	60	110	35	0	0

FIG.37B

(63 of 90)

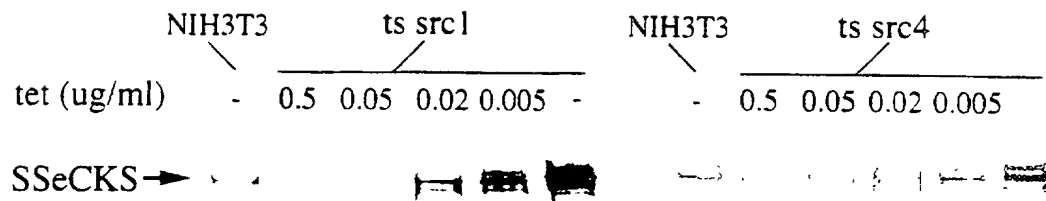


FIG.38A

0.5ug/ml tet



FIG.38C-1

0.02ug/ml tet



FIG.38C-2

SOFT AGAR COLONY FORMATION					
	35°C				39°C
tet(ug/ml)	0.5	0.05	0.02	0.005	0
ts src1	2852	2464	174	51	22
ts src4	1463	743	67	11	0

FIG.38B

(65 of 90)

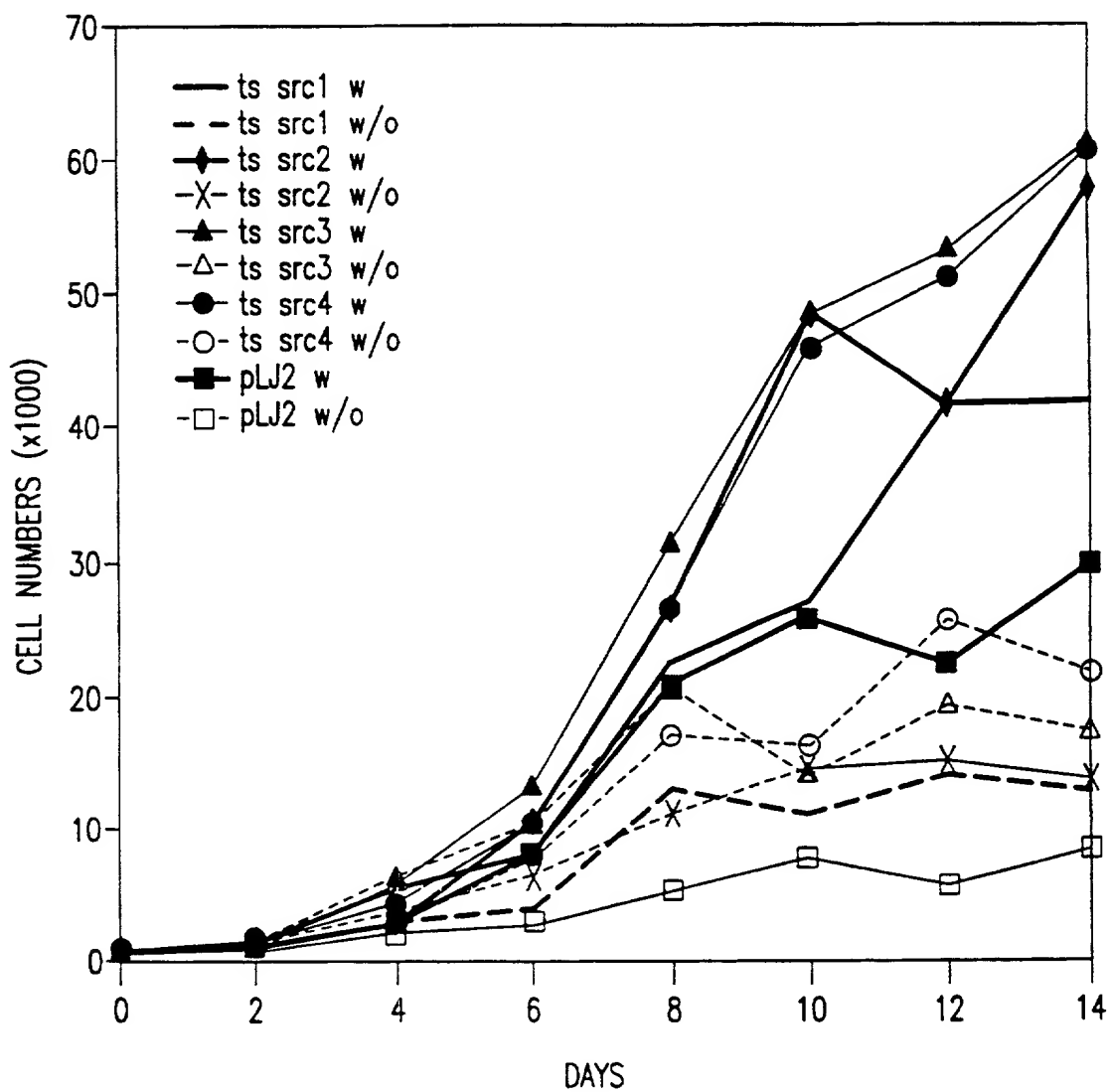


FIG.39A

(66 of 90)

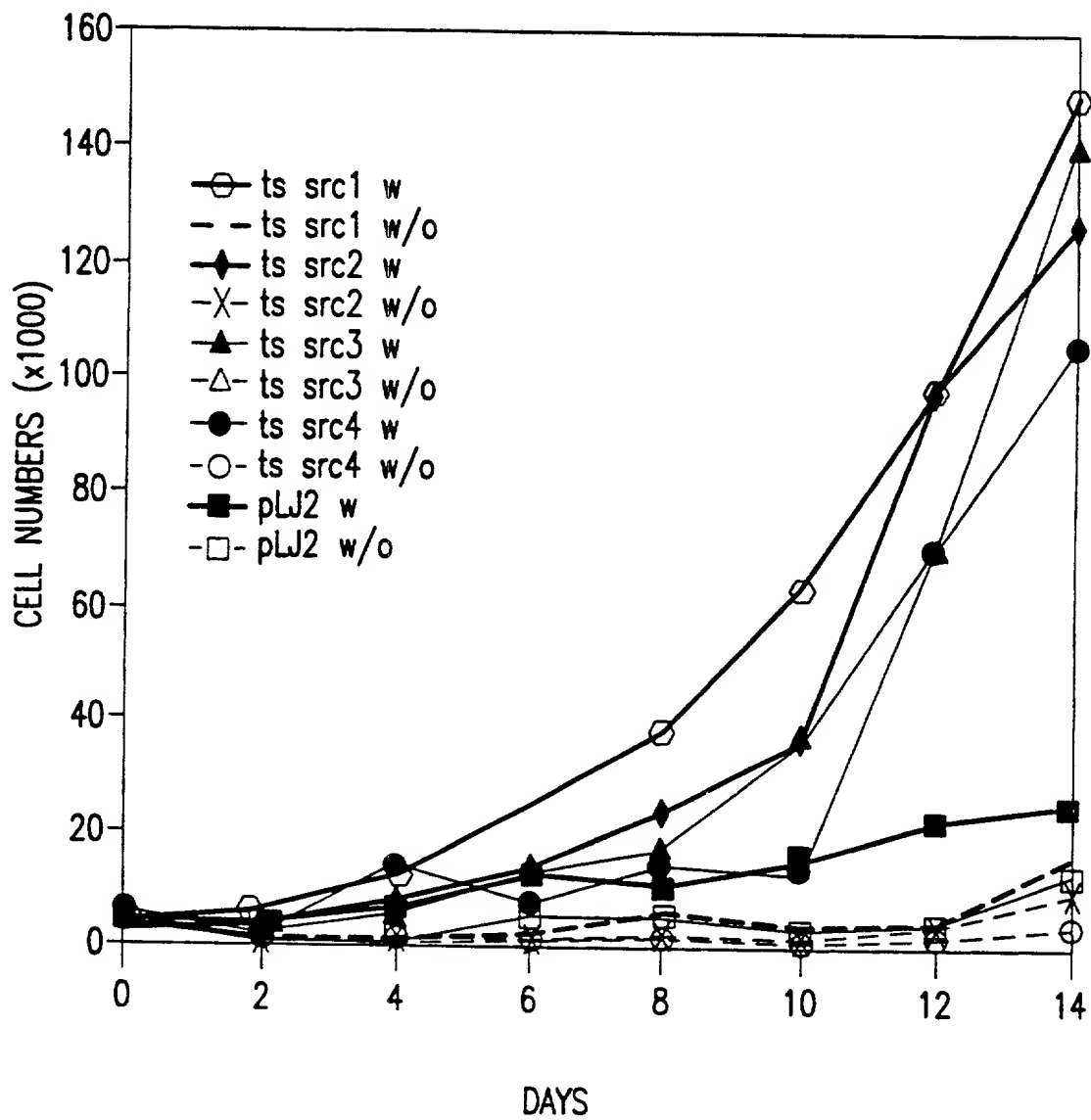


FIG.39B



FIG. 40A

FIG. 40B

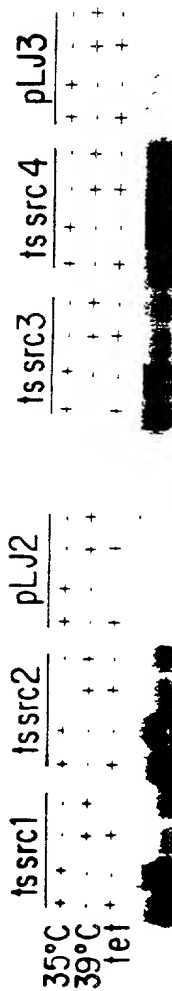


FIG. 40C-1

FIG. 40C-2

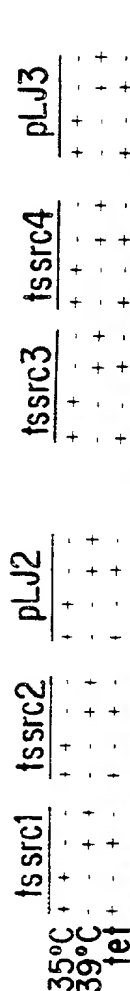


FIG. 40D-1

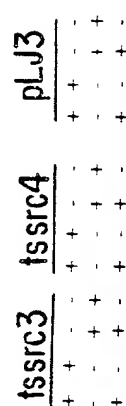


FIG. 40D-2

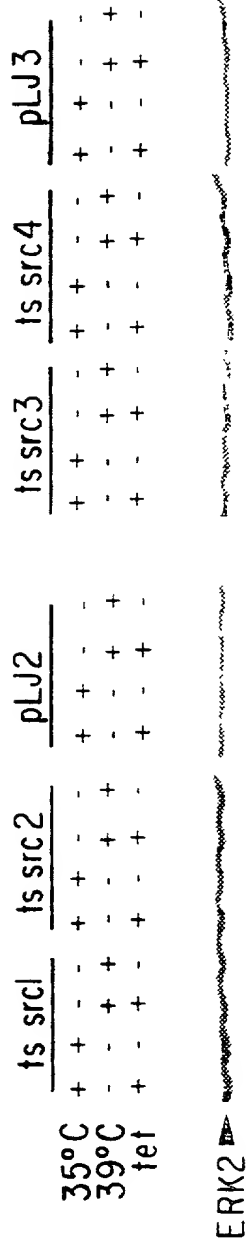


FIG.41A-1

FIG.41A-2



FIG.41B-1

FIG.41B-2

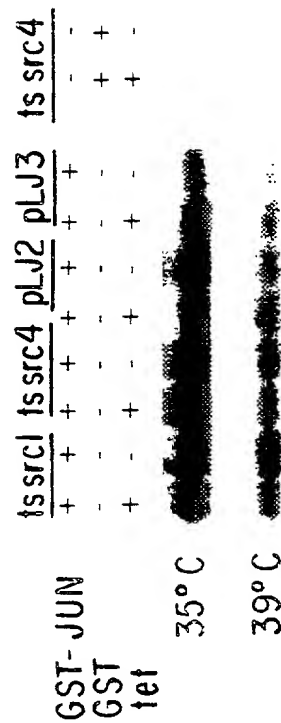


FIG.41C

(68 of 90)

(69 of 90)

SSeCKS



FIG.42A-1

Vinculin



35°C
+tet

FIG.42A-2



FIG.42A-3



35°C
-tet

FIG.42A-4

200120-2E+20000

(70 of 90)

SSeCKS



FIG.42A-5

Vinculin

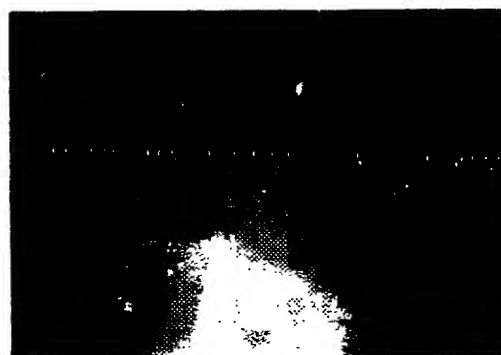


39.5°C
+tet

FIG.42A-6



FIG.42A-7



39.5°C
-tet

FIG.42A-8

FIG.42A-5

(71 of 90)

SSeCKS



FIG.42B-1

Phalloidin



35°C
+tet

FIG.42B-2

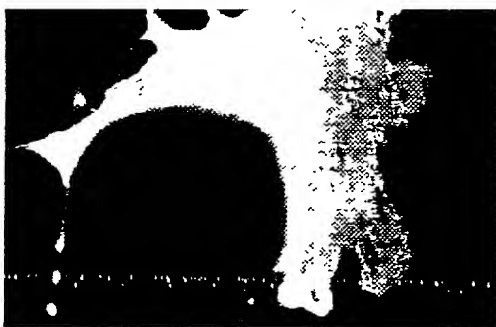


FIG.42B-3



35°C
-tet

FIG.42B-4

FIG.42B-1

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SSeCKS



FIG.42B-5

Phalloidin



FIG.42B-6

39.5°C
+ tet

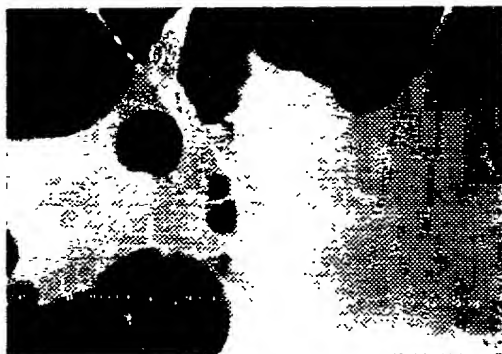


FIG.42B-7



FIG.42B-8

39.5°C
-tet

100x20" 3612060

Figure 43

(73 of 90)

FOOT 20 26420600

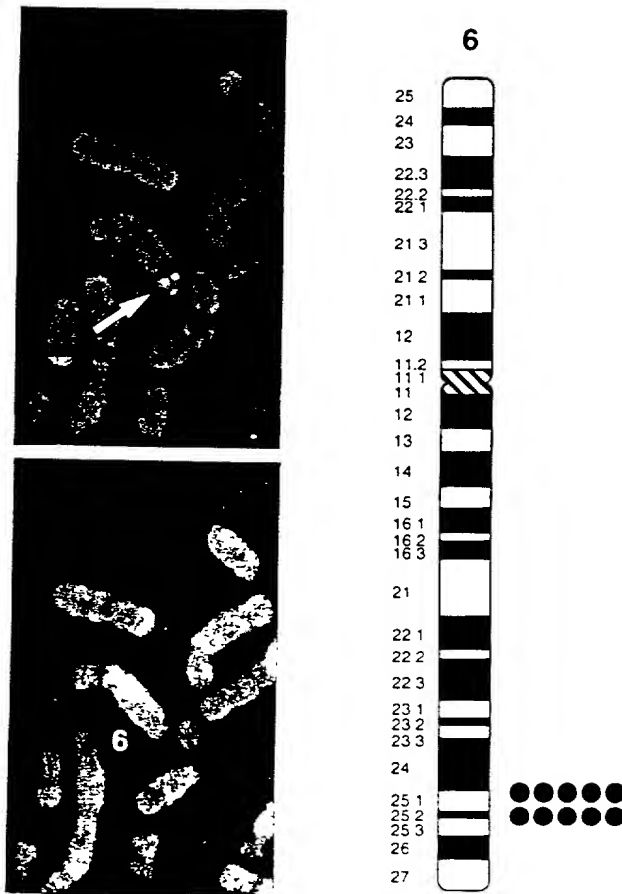


Figure 44

(74 of 90)

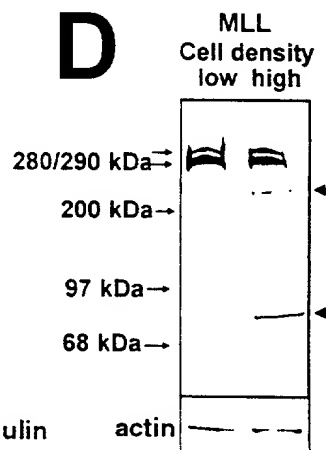
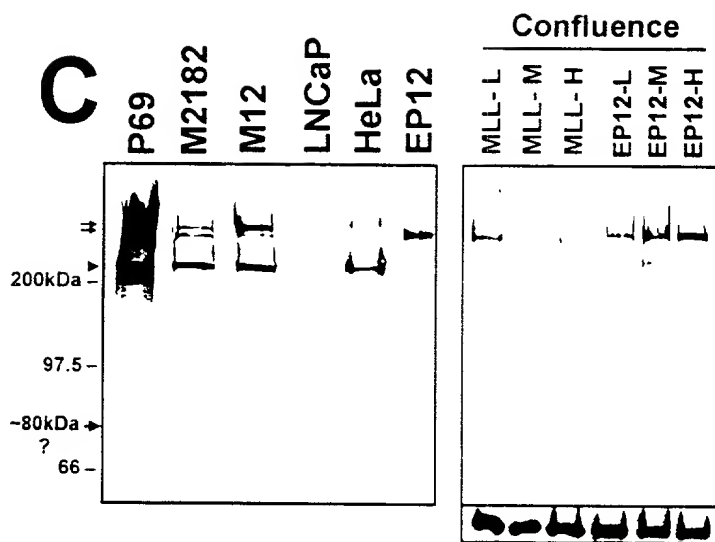
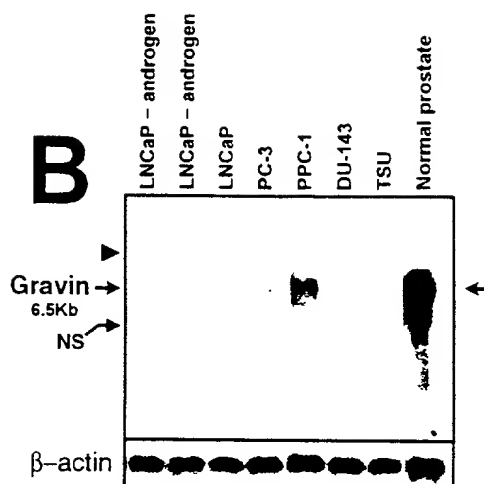


Figure 45
(75 of 90)

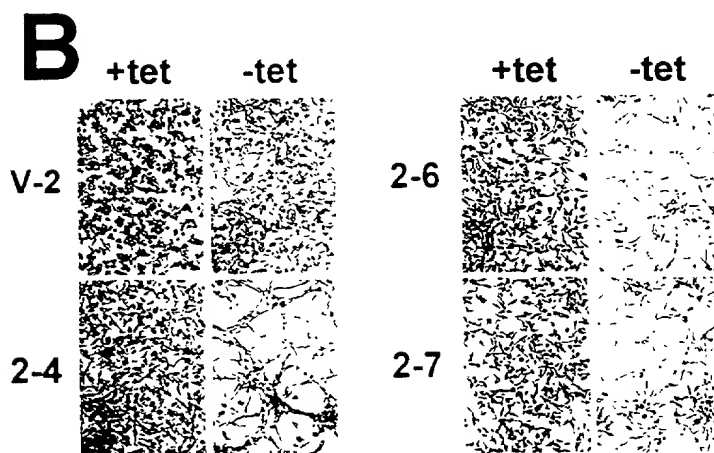
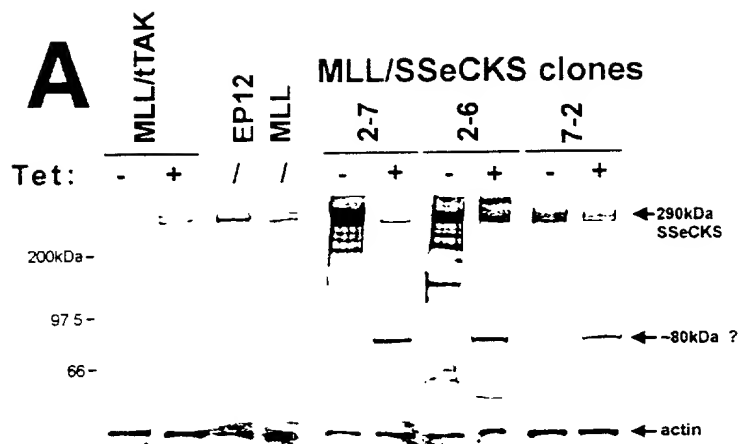
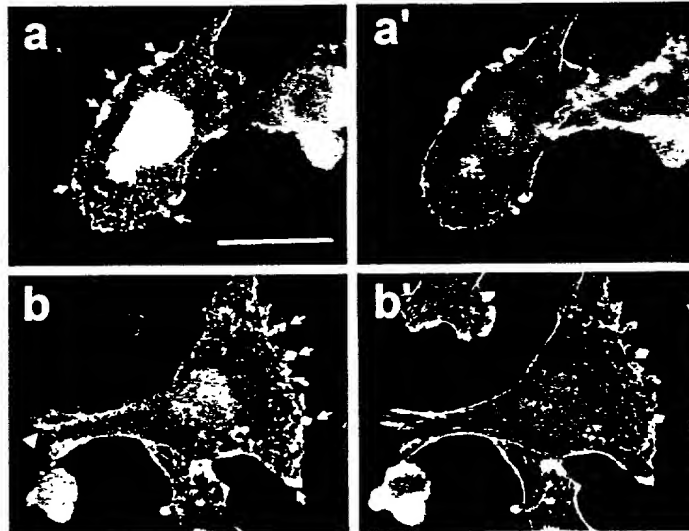


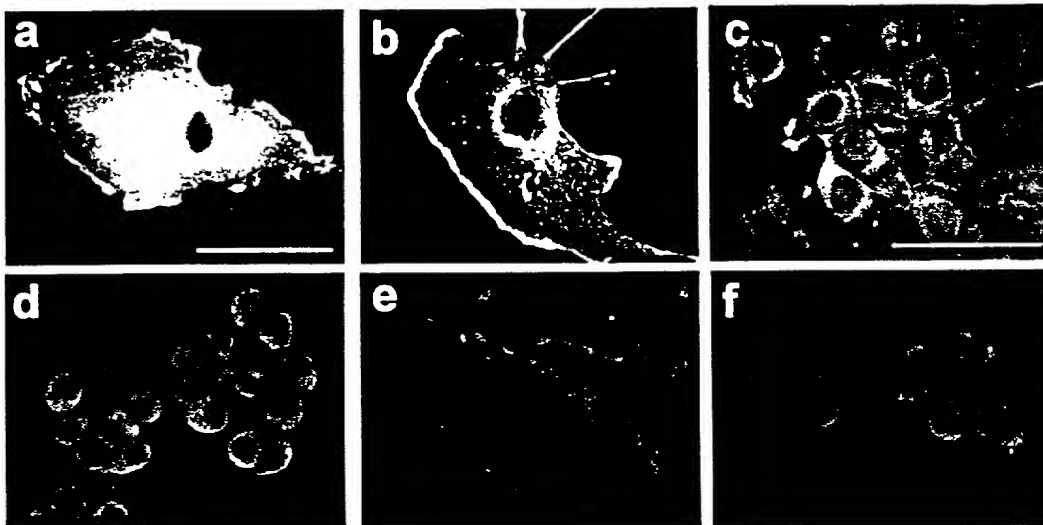
Figure 4b

(76 of 90)

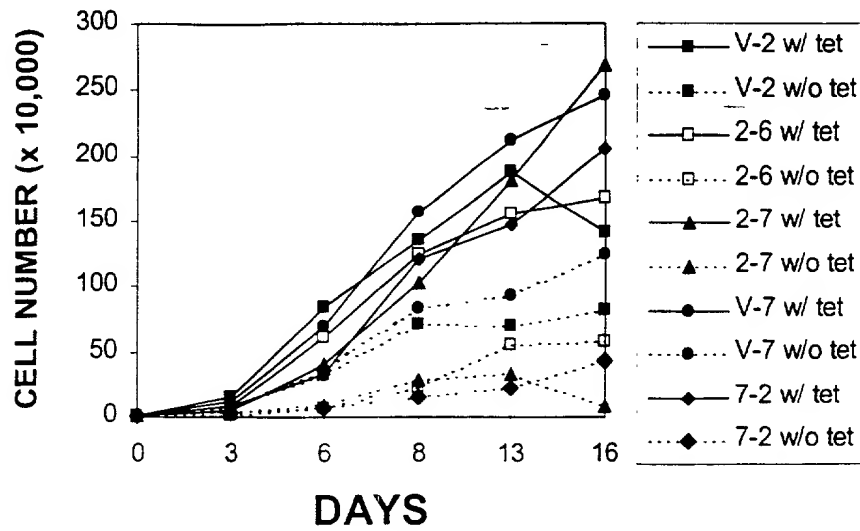
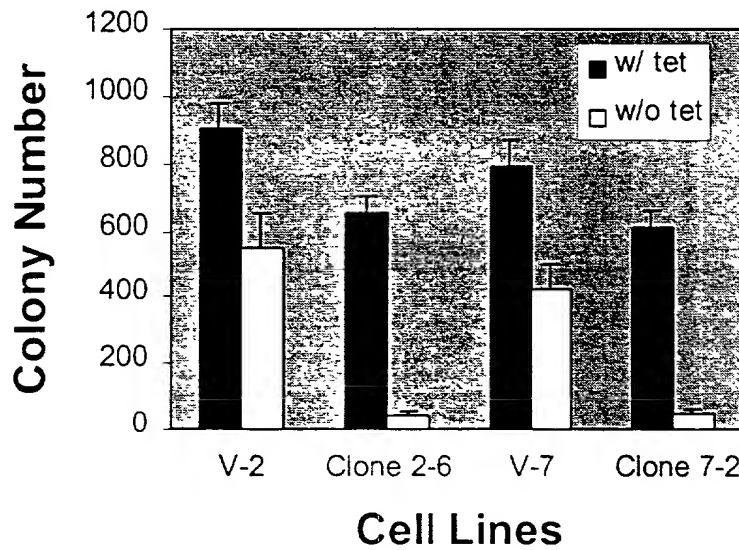
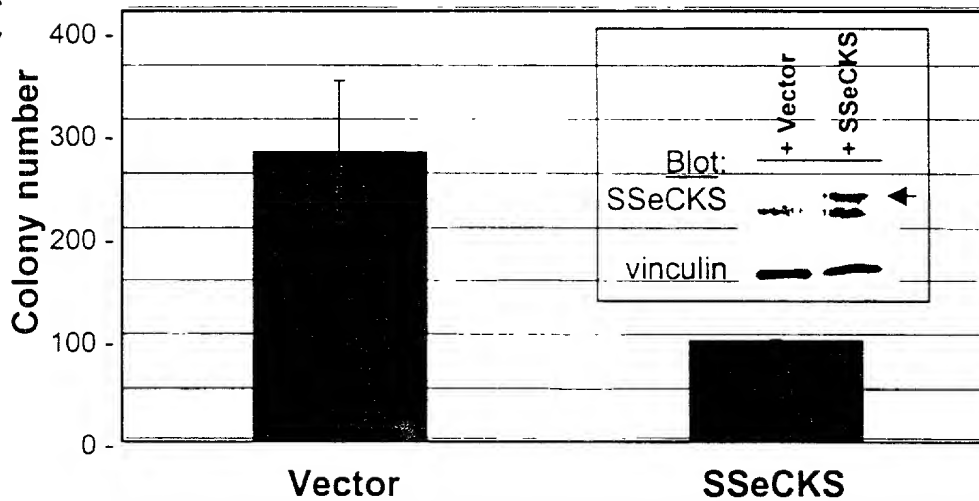
A



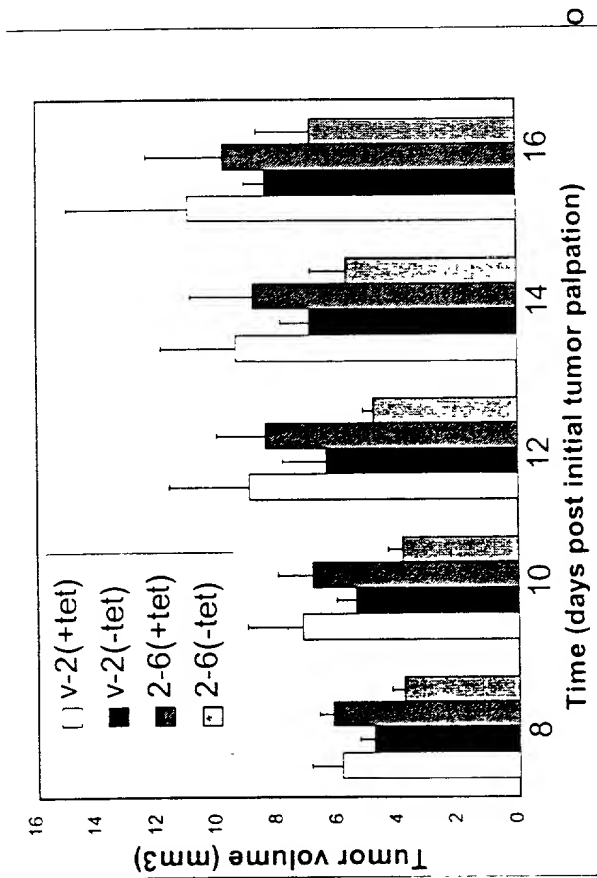
B



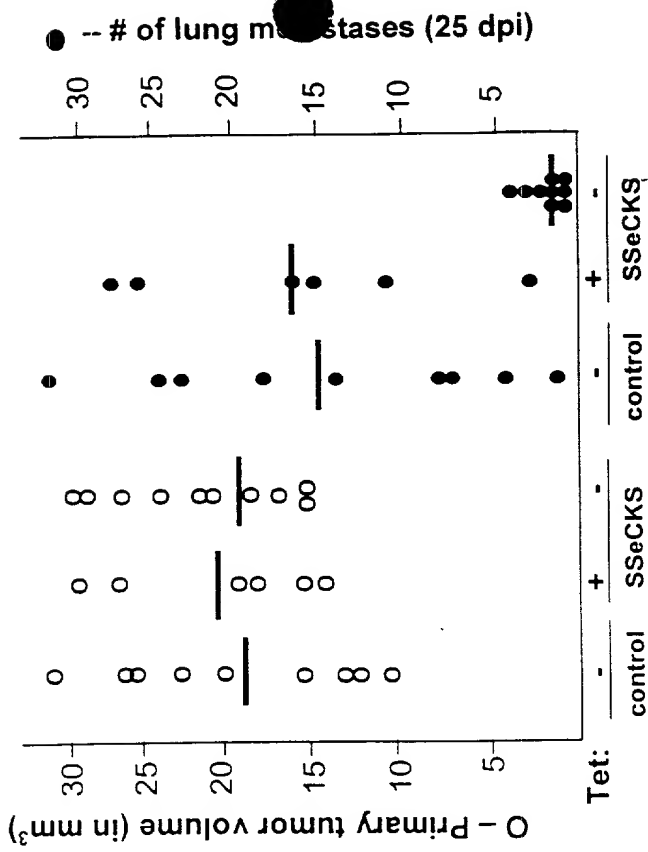
000043-071004
000000-000000

A**B****C**

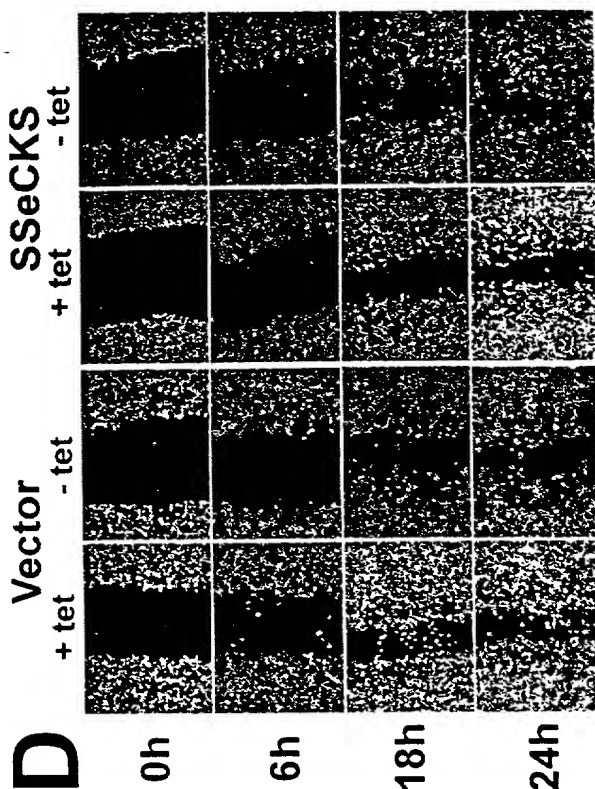
A



B



D



C

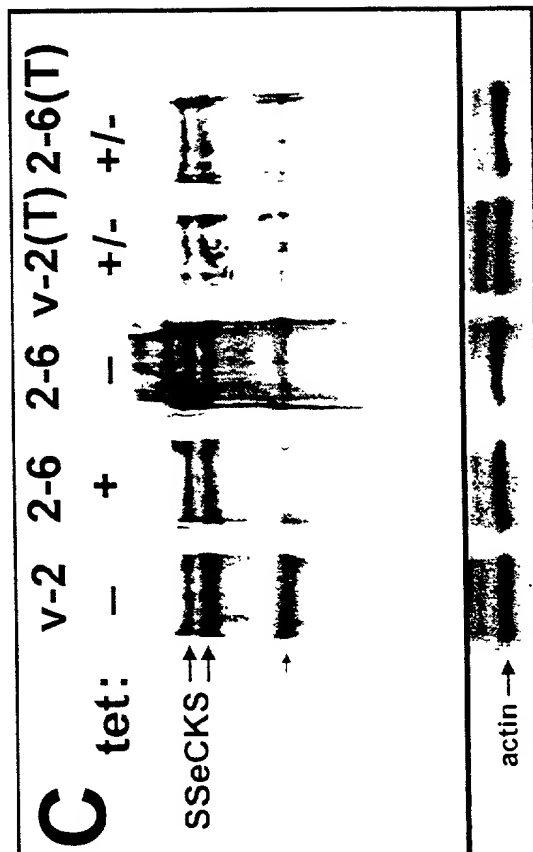
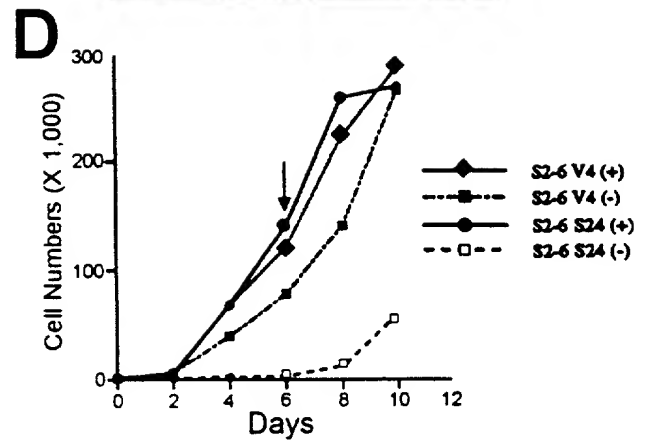
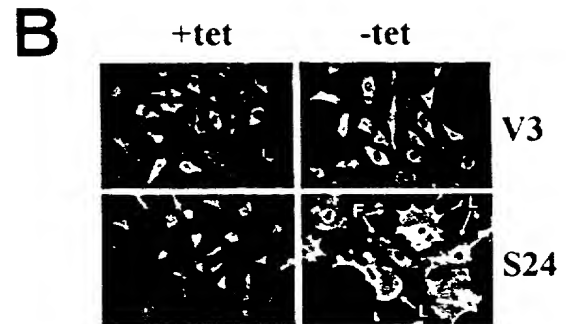
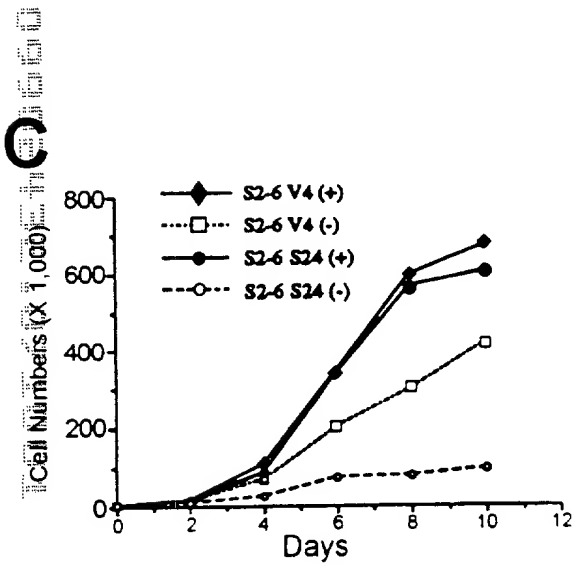
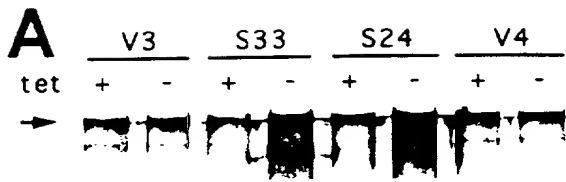


Figure 49
(79 of 90)



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Figure 50
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Model	Price	Engine	Power	Transmission	Drivetrain	0-60	Top Speed	MPG City	MPG Hwy	MPG Comb
47S	\$14,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$15,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$16,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$17,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$18,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$19,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$20,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$21,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$22,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$23,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$24,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$25,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$26,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$27,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$28,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$29,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$30,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$31,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$32,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$33,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$34,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$35,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$36,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$37,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$38,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$39,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$40,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$41,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$42,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$43,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$44,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$45,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$46,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$47,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$48,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$49,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	27
47S	\$50,999	1.8L I4	125	5-Speed Manual	FWD	10.5	140	24	32	

$$\begin{array}{c} \vdots \\ + \end{array}$$

+

+

Let:

11

1

2

11

1

11

● ●

1

1.

1

hyper
hypo

→ hypo

Figure 51
(81 of 90)

(81 of 90)

Figure 52

(82 of 90)

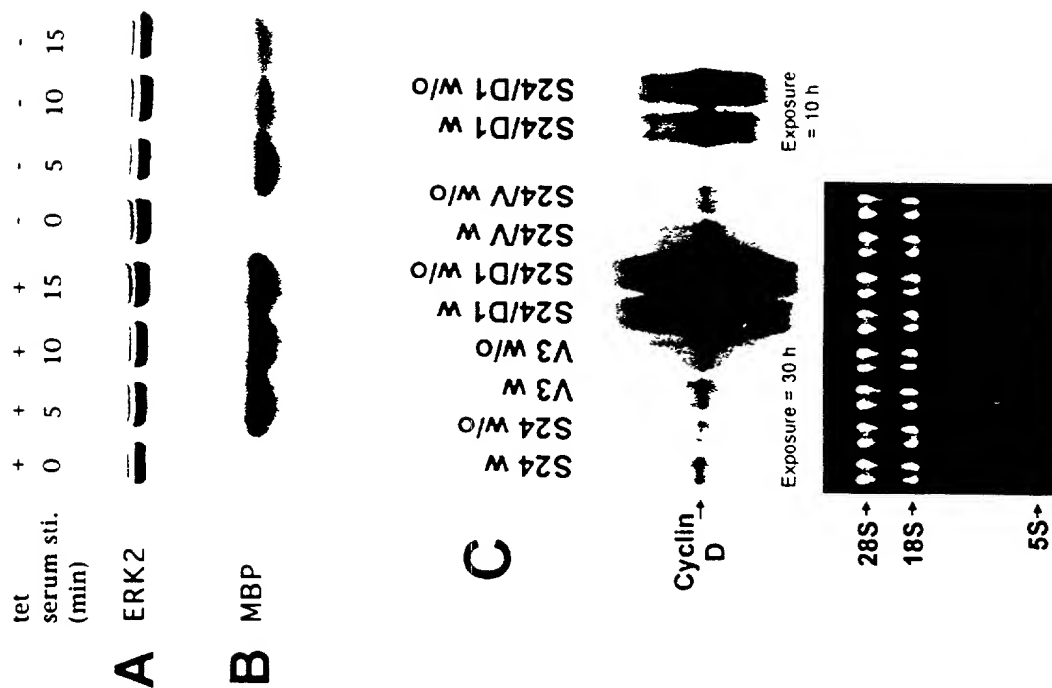


Figure 53

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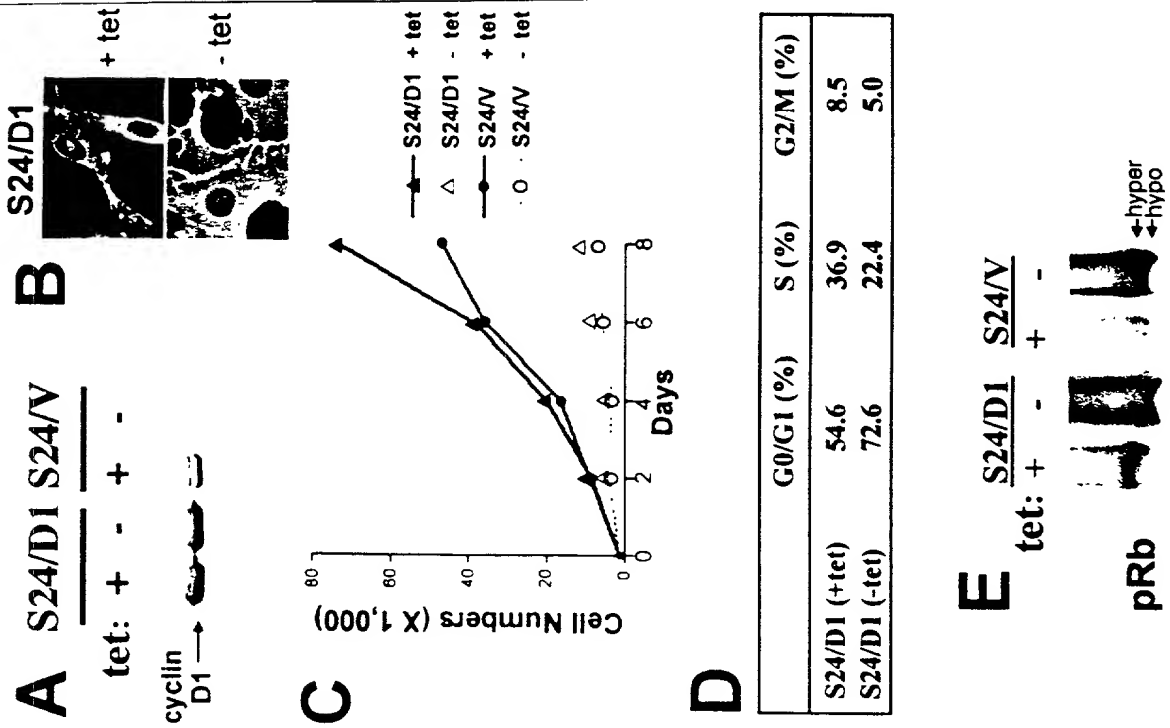


Figure 54

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TABLE 20 "EFFECT OF

SSeCKS	⁴⁶⁸ SPEEKTLPKHPEGIVSEVM	LSSQERIK ₄₉₆
	: :	:
Newt pRb	⁷⁸⁰ SP.LKSPYKHPEGLLSPTKM - (27 a.a.) - LSSSERLR ₈₃₄	

A

S24/D1
(+tet)



S24/D1
(-tet)



V3/D1
(+tet)



V3/D1
(-tet)



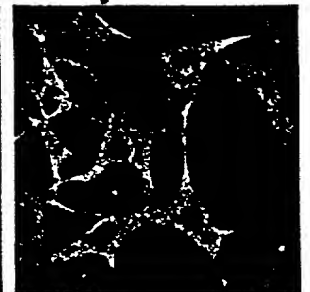
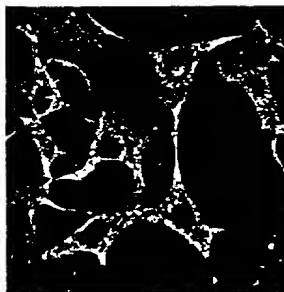
B

SSeCKS

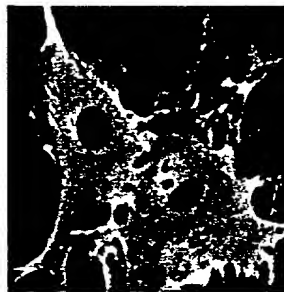
cyclin D1

SSeCKS +
cyclin D1

+ tet



- tet



C

- tet

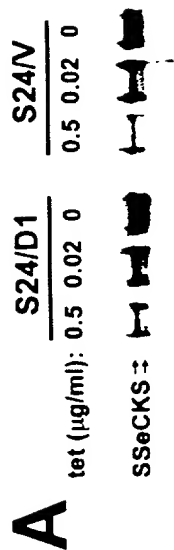


(86 of 90)

100720 23120660

Figure 57

(87 of 90)



D1 →

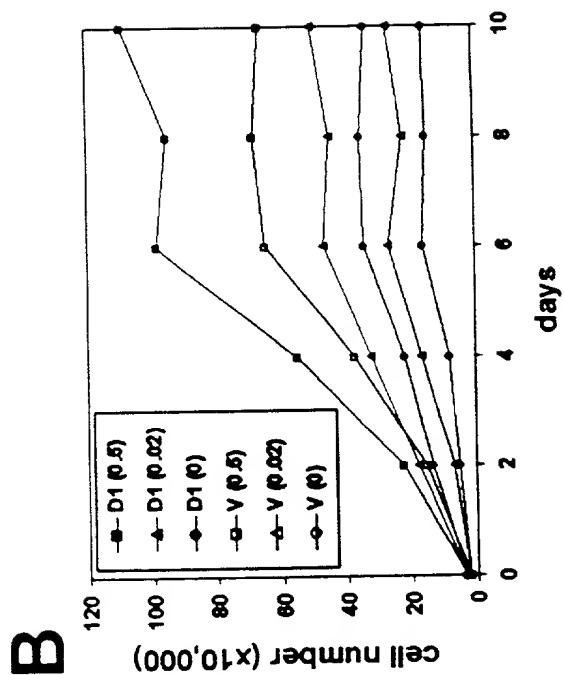
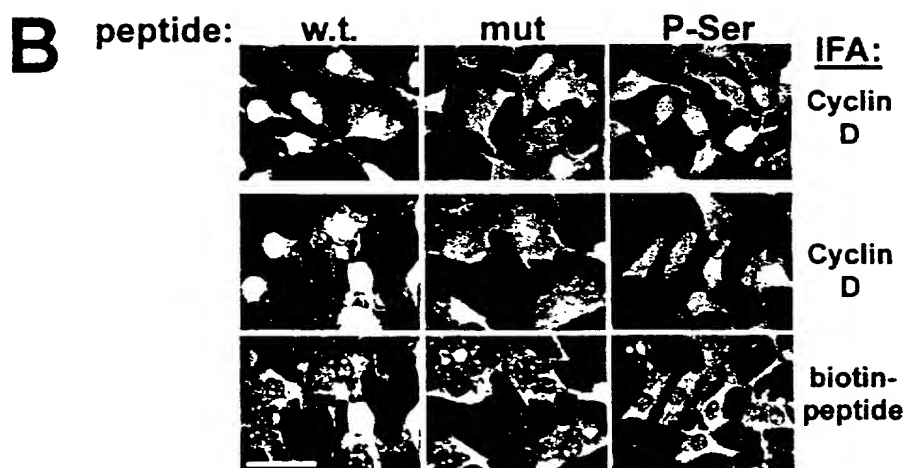
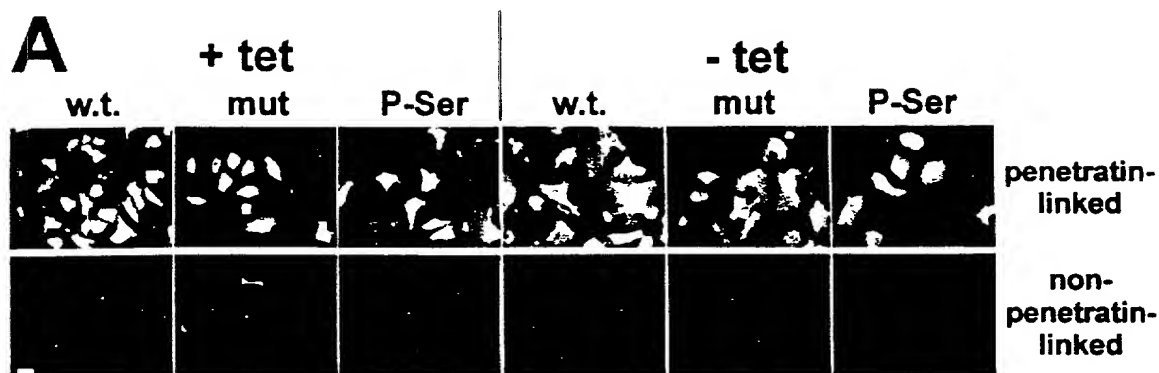


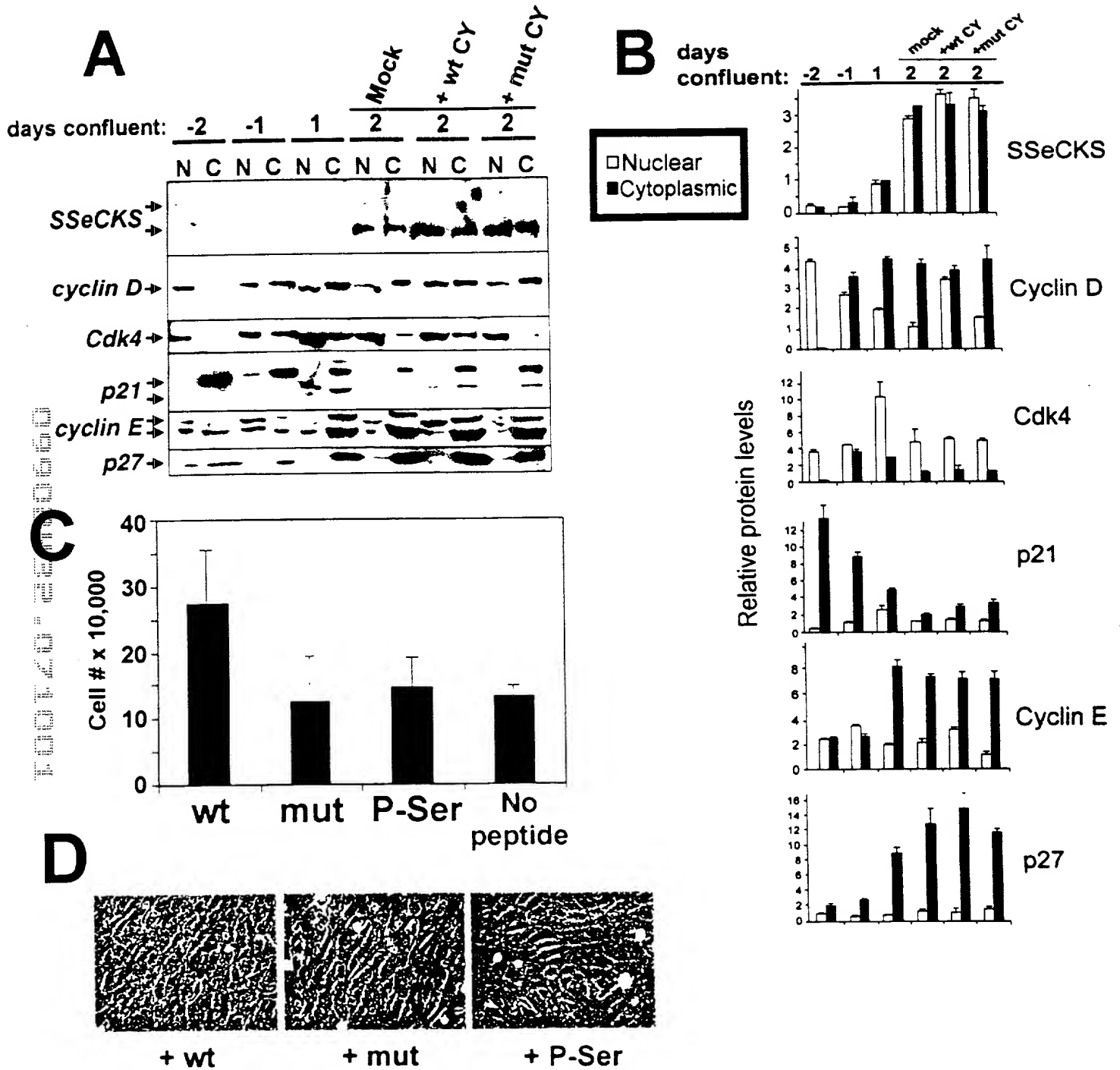
Figure 58
(88 of 90)



FOOTNOTES: 22420660

Figure 59

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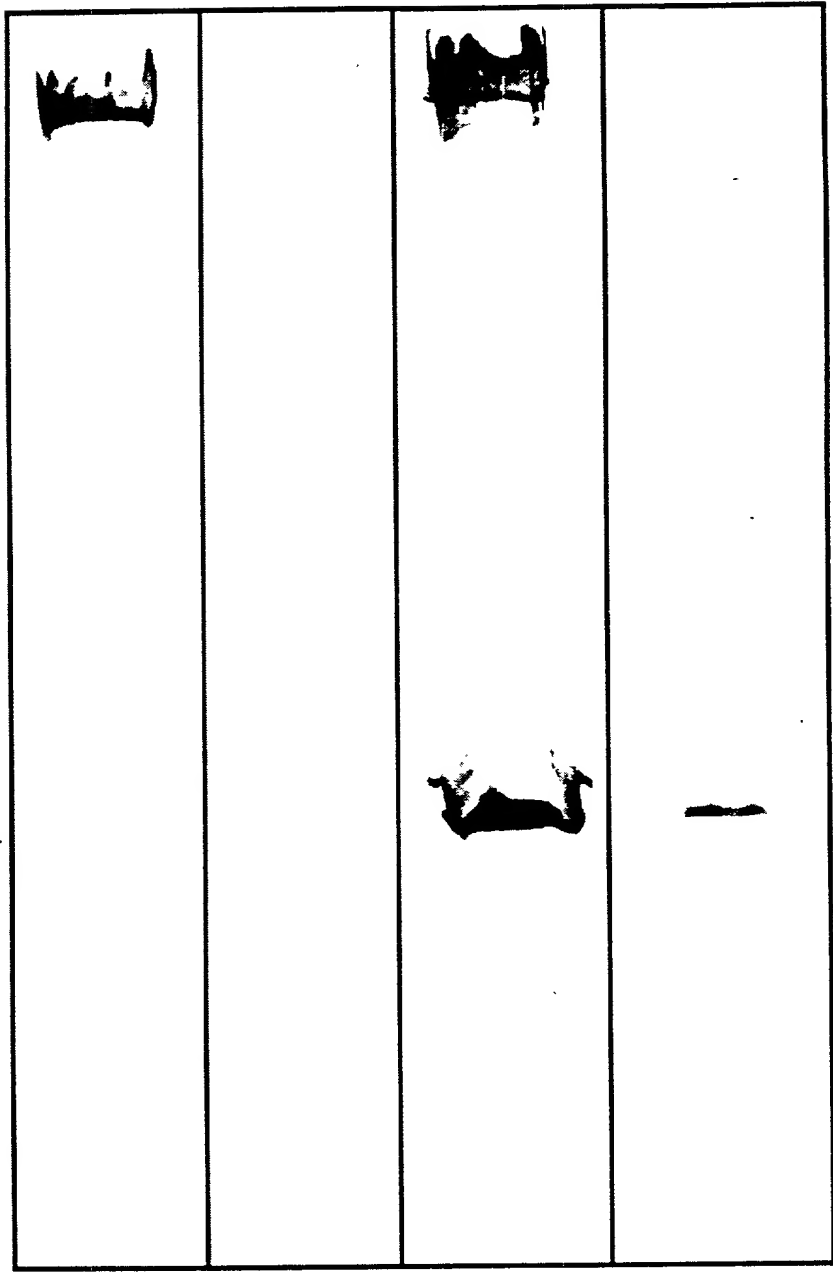
200kDa
97.5
66
44
30
21

94A3

78H11

82B3

31A3



200kDa

97.5

66

44

30

21